Start	36015	End	36324
GI	none	Score	125
Exons	36015..36305, 36127..36324		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o1.tm	Method	TBLASTX:Maize
Start	36027	End	36917
GI	none	Score	151
Exons	36027..36380, 36082..36375, 36417..36917, 36436..36903		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o6.tc	Method	TBLASTX:Cress
Start	36090	End	36308
GI	none	Score	116
Exons	36090..36308, 36109..36306		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o3.ts	Method	TBLASTX:Soybean
Start	36522	End	36773
GI	none	Score	83
Exons	36522..36677, 36522..36773, 36523..36726		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o2.tc	Method	TBLASTX:Cress
Start	36696	End	37121
GI	none	Score	66
Exons	36696..36836, 36702..36821, 36784..36936, 36834..36935, 36939..37121, 36964..37119		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o5.ts	Method	TBLASTX:Soybean
Start	36864	End	38827
GI	none	Score	109
Exons	36864..36935, 36939..37121, 36964..37119, 38570..38827, 38658..38819		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918
Name	OJ000250_92.0223.C23.o6.tm	Method	TBLASTX:Maize
Start	36990	End	38849
GI	none	Score	114
Exons	36990..37121, 37003..37119, 38552..38833, 38553..38849		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58193	Strand	-
Start	35768	End	38918

Name	OJ000250_92.0223.C23.o5.tc	Method	TBLASTX:Cress
Start	38579	End	38827
GI	none	Score	106
Exons	38579..38827, 38583..38819		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58194	Strand	
Start	42146	End	47867
Name	OJ000250_92.0223.C23.o7.tm	Method	TBLASTX:Maize
Start	42146	End	47413
GI	none	Score	171
Exons	42146..42364, 42147..42362, 42414..42521, 42452..42532, 42759..42827, 42760..42828, 46766..46975, 46771..46983, 47033..47140, 47072..47161, 47240..47311, 47260..47310, 47330..47413, 47344..47412		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58194	Strand	
Start	42146	End	47867
Name	OJ000250_92.0223.C23.o10.tm	Method	TBLASTX:Maize
Start	43004	End	47867
GI	none	Score	132
Exons	43004..43156, 43006..43134, 43220..43339, 43225..43338, 47565..47615, 47567..47614, 47600..47680, 47610..47687, 47765..47866, 47765..47866, 47766..47867		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58195	Strand	
Start	49664	End	52105
Name	OJ000250_92.0223.C23.o5.tm	Method	TBLASTX:Maize
Start	49664	End	49982
GI	none	Score	200
Exons	49664..49711, 49752..49895, 49788..49883, 49829..49891, 49926..49982, 49932..49982		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58195	Strand	
Start	49664	End	52105
Name	OJ000250_92.0223.C23.o1.ts	Method	TBLASTX:Soybean
Start	49821	End	52105
GI	none	Score	83
Exons	49821..49895, 49926..50084, 51665..51799, 51667..51792, 51902..52105, 51903..52097		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58195	Strand	
Start	49664	End	52105
Name	OJ000250_92.0223.C23.o4.tc	Method	TBLASTX:Cress
Start	49926	End	51754
GI	none	Score	227
Exons	49926..50084, 51665..51730, 51728..51754		

Seq. No.	28275	Seq. ID	OJ000250_92.0223.C23
Gene No.	58195	Strand	
Start	49664	End	52105
Name	OJ000250_92.0223.C23.o2.tm	Method	TBLASTX:Maize
Start	49986	End	52105

GI	none	Score	159
Exons	49986..50084, 49986..50084, 51660..51785, 51665..51799, 51667..51792, 51885..52103, 51903..52097, 51905..52105, 51908..52102		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58196	Strand	+
Start	1	End	1144
Name	OJ000250_92.0223.C24.o1.np	Method	AAT/NAP
Start	1	End	1144
GI	1438881	Score	368
Exons	1..40, 462..584, 694..736, 815..915, 998..1144		
GI Descrip.	(U43839) GmCK2p [Glycine max]		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58196	Strand	+
Start	1	End	1144
Name	OJ000250_92.0223.C24.o1.gs	Method	GENSCAN
Start	450	End	1105
GI	none	Score	.88
Exons	450..579, 689..736, 933..952, 998..1105		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58197	Strand	-
Start	1544	End	1888
Name	OJ000250_92.0223.C24.o1.ts	Method	TBLASTX:Soybean
Start	450	End	1086
GI	none	Score	193
Exons	450..575, 461..577, 462..578, 514..582, 687..743, 688..741, 802..915, 813..914, 989..1084, 997..1086		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58197	Strand	-
Start	1544	End	1888
Name	OJ000250_92.0223.C24.o1.tc	Method	TBLASTX:Cress
Start	461	End	1084
GI	none	Score	200
Exons	461..580, 462..584, 489..584, 822..917, 823..915, 989..1084, 997..1083		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58197	Strand	-
Start	1544	End	1888
Name	OJ000250_92.0223.C24.o1.tw	Method	TBLASTX:Wheat
Start	523	End	1089
GI	none	Score	76
Exons	523..585, 524..583, 528..584, 531..593, 684..734, 686..733, 688..735, 802..915, 814..915, 816..953, 989..1087, 997..1089, 997..1086		

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58197	Strand	-
Start	1544	End	1888
Name	OJ000250_92.0223.C24.o1.tm	Method	TBLASTX:Maize
Start	558	End	1069
GI	none	Score	36
Exons	558..584, 684..734, 802..915, 807..917, 989..1069, 996..1037,		

997..1068

Seq. No.	28276	Seq. ID	OJ000250_92.0223.C24
Gene No.	58197	Strand	-
Start	1544	End	1888
Name	OJ000250_92.0223.C24.o2.gs	Method	GENSCAN
Start	1544	End	1888
GI	none	Score	.91
Exons	1544..1560, 1660..1888		

Seq. No.	28277	Seq. ID	OJ000250_92.0223.C25
Gene No.	58198	Strand	+
Start	1760	End	1871
Name	OJ000250_92.0223.C25.o1.gs	Method	GENSCAN
Start	1760	End	1871
GI	none	Score	.98
Exons	1760..1871		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58199	Strand	+
Start	124	End	4322
Name	OJ000250_92.0223.C26.o1.gp	Method	AAT/GAP
Start	124	End	810
GI	uC-osroM202013d02b1	Score	512
Exons	124..274, 540..584, 684..810		
GI Descrip.	'3831463 1.0e-37 (AC005700) unknown protein [Arabidopsis thaliana]'		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58199	Strand	+
Start	124	End	4322
Name	OJ000250_92.0223.C26.o1.gs	Method	GENSCAN
Start	143	End	3781
GI	none	Score	.91
Exons	143..274, 540..584, 684..853, 1088..1173, 1262..1369, 1989..2118, 2223..2322, 2409..2540, 2820..2864, 2948..3117, 3240..3325, 3424..3531, 3641..3781		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58199	Strand	+
Start	124	End	4322
Name	OJ000250_92.0223.C26.o1.np	Method	AAT/NAP
Start	143	End	4322
GI	4582470	Score	854
Exons	143..274, 540..584, 684..853, 1088..1173, 1262..1412, 2223..2322, 2409..2540, 2820..2864, 2948..3117, 3240..3325, 3424..3543, 4293..4322		
GI Descrip.	(AC007071) unknown protein [Arabidopsis thaliana]		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o2.tc	Method	TBLASTX:Cress
Start	134	End	3545
GI	none	Score	183
Exons	134..274, 135..278, 638..847, 678..854, 681..860, 682..861, 1090..1173, 1092..1145, 1255..1377, 1262..1369, 2400..2540,		

2401..2538, 2945..3115, 2946..3125, 3217..3324, 3242..3325, 3418..3531, 3423..3545

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o3.tm	Method	TBLASTX:Maize
Start	141	End	3763
GI	none	Score	166

Exons 141..275, 143..274, 1254..1370, 1255..1371, 1260..1370, 1262..1372, 1982..2128, 1988..2119, 1989..2123, 2220..2300, 2243..2299, 2402..2536, 2402..2545, 2407..2541, 2817..2864, 3415..3534, 3423..3533, 3719..3763

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o2.tm	Method	TBLASTX:Maize
Start	678	End	3134
GI	none	Score	208

Exons 678..857, 681..857, 682..861, 685..858, 2942..3127, 2946..3134

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o2.gs	Method	GENSCAN
Start	4266	End	7125
GI	none	Score	.69

Exons 4266..4470, 4574..4716, 4789..4897, 5148..5332, 5737..6391, 6701..6805, 7066..7125

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o2.np	Method	AAT/NAP
Start	4272	End	7112
GI	6682606	Score	1046

Exons 4272..4470, 4574..4716, 4789..4897, 5148..5332, 5614..6391, 6701..6805, 7066..7112

GI Descrip. (AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o1.tc	Method	TBLASTX:Cress
Start	4299	End	7127
GI	none	Score	72

Exons 4299..4484, 4299..4469, 4568..4717, 4573..4719, 4786..4896, 4793..4897, 5189..5335, 5190..5333, 5195..5335, 5200..5337, 5602..5760, 5651..5755, 6169..6387, 6212..6388, 6226..6396, 6700..6807, 6703..6804, 7065..7127

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o1.ts	Method	TBLASTX:Soybean

Start	4395	End	5813
GI	none	Score	127
Exons	4395..4469, 4585..4719, 4592..4717, 4786..4896, 4789..4887, 5192..5335, 5204..5335, 5215..5337, 5602..5748, 5614..5733, 5654..5743, 5736..5813		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o1.tm	Method	TBLASTX:Maize
Start	4398	End	4885
GI	none	Score	168
Exons	4398..4469, 4568..4717, 4571..4717, 4573..4722, 4573..4719, 4786..4881, 4789..4881, 4793..4885		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o4.tm	Method	TBLASTX:Maize
Start	5147	End	5808
GI	none	Score	185
Exons	5147..5335, 5150..5335, 5602..5769, 5610..5777, 5614..5808, 5624..5773		

Seq. No.	28278	Seq. ID	OJ000250_92.0223.C26
Gene No.	58200	Strand	-
Start	4266	End	7133
Name	OJ000250_92.0223.C26.o5.tm	Method	TBLASTX:Maize
Start	6223	End	7133
GI	none	Score	110
Exons	6223..6390, 6224..6391, 6700..6726, 6736..6807, 7065..7133		

Seq. No.	28279	Seq. ID	OJ000250_92.0223.C27
Gene No.	58201	Strand	+
Start	70	End	598
Name	OJ000250_92.0223.C27.o1.np	Method	AAT/NAP
Start	70	End	598
GI	5042412	Score	501
Exons	70..598		
GI Descrip.	(AC006193) Similar to glucan endo-1,3-beta-glucosidase precursor [Arabidopsis thaliana]		

Seq. No.	28279	Seq. ID	OJ000250_92.0223.C27
Gene No.	58201	Strand	+
Start	70	End	598
Name	OJ000250_92.0223.C27.o1.tc	Method	TBLASTX:Cress
Start	93	End	518
GI	none	Score	195
Exons	93..275, 94..216, 95..250, 278..430, 279..380, 378..518, 393..512		

Seq. No.	28279	Seq. ID	OJ000250_92.0223.C27
Gene No.	58201	Strand	+
Start	70	End	598
Name	OJ000250_92.0223.C27.o1.ts	Method	TBLASTX:Soybean
Start	93	End	350
GI	none	Score	195

Exons	93..275, 95..250, 279..350		
Seq. No.	28279	Seq. ID	OJ000250_92.0223.C27
Gene No.	58201	Strand	+
Start	70	End	598
Name	OJ000250_92.0223.C27.o1.gs	Method	GENSCAN
Start	98	End	528
GI	none	Score	.83
Exons	98..528		
Seq. No.	28279	Seq. ID	OJ000250_92.0223.C27
Gene No.	58201	Strand	+
Start	70	End	598
Name	OJ000250_92.0223.C27.o1.tm	Method	TBLASTX:Maize
Start	302	End	557
GI	none	Score	302
Exons	302..430, 303..557, 303..554, 488..556		
Seq. No.	28280	Seq. ID	OJ000250_89.0214.C1
Gene No.	58202	Strand	-
Start	1384	End	2609
Name	OJ000250_89.0214.C1.o1.gs	Method	GENSCAN
Start	1384	End	2609
GI	none	Score	.71
Exons	1384..1741, 2413..2609		
Seq. No.	28281	Seq. ID	OJ000250_89.0214.C2
Gene No.	58203	Strand	+
Start	1931	End	2439
Name	OJ000250_89.0214.C2.o1.gp	Method	AAT/GAP
Start	1931	End	2302
GI	none	Score	684
Exons	1931..2302		
Seq. No.	28281	Seq. ID	OJ000250_89.0214.C2
Gene No.	58203	Strand	+
Start	1931	End	2439
Name	OJ000250_89.0214.C2.o1.gs	Method	GENSCAN
Start	2047	End	2439
GI	none	Score	.96
Exons	2047..2439		
Seq. No.	28281	Seq. ID	OJ000250_89.0214.C2
Gene No.	58203	Strand	+
Start	1931	End	2439
Name	OJ000250_89.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	2128	End	2280
GI	none	Score	221
Exons	2128..2280, 2130..2273		
Seq. No.	28282	Seq. ID	OJ000250_89.0214.C3
Gene No.	58204	Strand	+
Start	54	End	230
Name	OJ000250_89.0214.C3.o1.gs	Method	GENSCAN
Start	54	End	230
GI	none	Score	1
Exons	54..230		

Seq. No.	28282	Seq. ID	OJ000250_89.0214.C3
Gene No.	58205	Strand	+
Start	177	End	1572
Name	OJ000250_89.0214.C3.o1.gp	Method	AAT/GAP
Start	177	End	1572
GI	none	Score	1031
Exons	177..359, 1223..1572		

Seq. No.	28282	Seq. ID	OJ000250_89.0214.C3
Gene No.	58206	Strand	+
Start	2397	End	5784
Name	OJ000250_89.0214.C3.o2.gs	Method	GENSCAN
Start	2397	End	5784
GI	none	Score	.7
Exons	2397..2483, 2721..2846, 3532..3610, 4088..4212, 4859..4940, 5529..5586, 5694..5784		

Seq. No.	28282	Seq. ID	OJ000250_89.0214.C3
Gene No.	58207	Strand	-
Start	5580	End	7952
Name	OJ000250_89.0214.C3.o1.np	Method	AAT/NAP
Start	5580	End	7952
GI	3582518	Score	61
Exons	5580..5720, 7158..7245, 7322..7382, 7929..7952		
GI Descrip.	(AF016264) FUSCA3 [Arabidopsis thaliana]		

Seq. No.	28282	Seq. ID	OJ000250_89.0214.C3
Gene No.	58207	Strand	-
Start	5580	End	7952
Name	OJ000250_89.0214.C3.o3.gs	Method	GENSCAN
Start	6859	End	7838
GI	none	Score	.96
Exons	6859..6987, 7169..7382, 7783..7838		

Seq. No.	28283	Seq. ID	OJ000250_89.0214.C4
Gene No.	58208	Strand	+
Start	1	End	344
Name	OJ000250_89.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	344
GI	4680179	Score	528
Exons	1..344		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28283	Seq. ID	OJ000250_89.0214.C4
Gene No.	58208	Strand	+
Start	1	End	344
Name	OJ000250_89.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	269
GI	none	Score	352
Exons	2..265, 3..269		

Seq. No.	28283	Seq. ID	OJ000250_89.0214.C4
Gene No.	58208	Strand	+
Start	1	End	344
Name	OJ000250_89.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	3	End	179

GI	none	Score	212
Exons	3..179, 5..178		

Seq. No.	28283	Seq. ID	OJ000250_89.0214.C4
Gene No.	58208	Strand	+
Start	1	End	344
Name	OJ000250_89.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	90	End	344
GI	none	Score	274
Exons	90..344, 107..343		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58209	Strand	+
Start	1	End	3303
Name	OJ000250_89.0214.C5.o1.np	Method	AAT/NAP
Start	1	End	1932
GI	5734734	Score	197
Exons	1..50, 942..1032, 1502..1617, 1803..1932		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58209	Strand	+
Start	1	End	3303
Name	OJ000250_89.0214.C5.o1.gs	Method	GENSCAN
Start	901	End	1532
GI	none	Score	.66
Exons	901..1023, 1458..1532		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58209	Strand	+
Start	1	End	3303
Name	OJ000250_89.0214.C5.o1.gp	Method	AAT/GAP
Start	1583	End	3303
GI	18501_1.R1084	Score	1506
Exons	1583..1617, 1803..1922, 2061..2129, 2700..3303		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58210	Strand	+
Start	8339	End	15685
Name	OJ000250_89.0214.C5.o4.gp	Method	AAT/GAP
Start	8117	End	10629
GI	403_1.R1084	Score	2050
Exons	8117..8599, 9473..9934, 10513..10629		
GI Descrip.	'2497538/sp|Q42806|KPYC_SOYBN 1.0e-157 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_466350 (L08632) pyruvate kinase [Glycine max]'		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58210	Strand	+
Start	8339	End	15685
Name	OJ000250_89.0214.C5.o2.np	Method	AAT/NAP
Start	8339	End	11322
GI	2497538	Score	1973
Exons	8339..8599, 9473..9934, 10513..11322		

GI Descrip. PYRUVATE KINASE, CYTOSOLIC ISOZYME gi|466350 (L08632) pyruvate kinase [Glycine max]

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58210	Strand	+
Start	8339	End	15685
Name	OJ000250_89.0214.C5.o3.gs	Method	GENSCAN
Start	8339	End	15685
GI	none	Score	.84
Exons	8339..8599, 9473..9934, 10513..10585, 10961..11257, 11625..11713, 12284..12423, 12609..12834, 12941..12983, 13667..13847, 13932..14535, 14787..14899, 15256..15685		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58210	Strand	+
Start	8339	End	15685
Name	OJ000250_89.0214.C5.o6.gp	Method	AAT/GAP
Start	12199	End	12812
GI	2427984	Score	762
Exons	12199..12423, 12609..12812		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58211	Strand	+
Start	17064	End	17265
Name	OJ000250_89.0214.C5.o4.gs	Method	GENSCAN
Start	17064	End	17265
GI	none	Score	.53
Exons	17064..17130, 17159..17265		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58212	Strand	+
Start	18424	End	19191
Name	OJ000250_89.0214.C5.o5.gs	Method	GENSCAN
Start	18424	End	19191
GI	none	Score	1
Exons	18424..19191		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58213	Strand	+
Start	25181	End	25940
Name	OJ000250_89.0214.C5.o7.gs	Method	GENSCAN
Start	25181	End	25940
GI	none	Score	.72
Exons	25181..25293, 25540..25632, 25820..25940		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58214	Strand	+
Start	28881	End	30302
Name	OJ000250_89.0214.C5.o8.gs	Method	GENSCAN
Start	28881	End	30302
GI	none	Score	1
Exons	28881..30302		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58214	Strand	+
Start	28881	End	30302
Name	OJ000250_89.0214.C5.o3.np	Method	AAT/NAP

Start	28893	End	30299
GI	6850873	Score	843
Exons	28893..30299		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58215	Strand	+
Start	49786	End	52611
Name	OJ000250_89.0214.C5.o11.gs	Method	GENSCAN
Start	49786	End	52611
GI	none	Score	.44
Exons	49786..49850, 49855..50054, 50144..50433, 51237..51302, 51425..51757, 51838..52611		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58215	Strand	+
Start	49786	End	52611
Name	OJ000250_89.0214.C5.o9.gp	Method	AAT/GAP
Start	51956	End	52473
GI	none	Score	983
Exons	51956..52473		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58216	Strand	+
Start	57787	End	57998
Name	OJ000250_89.0214.C5.o10.gp	Method	AAT/GAP
Start	57787	End	57998
GI	none	Score	409
Exons	57787..57998		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58217	Strand	-
Start	3831	End	4505
Name	OJ000250_89.0214.C5.o2.gp	Method	AAT/GAP
Start	3512	End	4009
GI	3762604	Score	902
Exons	3512..4009		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58217	Strand	-
Start	3831	End	4505
Name	OJ000250_89.0214.C5.o2.gs	Method	GENSCAN
Start	3831	End	4430
GI	none	Score	.93
Exons	3831..4430		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58217	Strand	-
Start	3831	End	4505
Name	OJ000250_89.0214.C5.o3.gp	Method	AAT/GAP
Start	4183	End	4505
GI	2431369	Score	620
Exons	4183..4505		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58218	Strand	-
Start	10558	End	11780

Name	OJ000250_89.0214.C5.o5.gp	Method	AAT/GAP
Start	10558	End	11780
GI	610_1.R1084	Score	1971
Exons	10558..10590, 10774..11780		
GI Descrip.	'322787/pir||JC1481 1.0e-112 pyruvate kinase (EC 2.7.1.40), cytosolic - potato'		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58219	Strand	-
Start	19966	End	21564
Name	OJ000250_89.0214.C5.o6.gs	Method	GENSCAN
Start	19966	End	21564
GI	none	Score	.91
Exons	19966..21564		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o12.tm	Method	TBLASTX:Maize
Start	1	End	1654
GI	none	Score	59
Exons	1..48, 44..82, 894..1022, 900..1028, 901..1026, 1334..1426, 1343..1468, 1344..1433, 1498..1557, 1504..1560, 1505..1564, 1556..1654, 1566..1616		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o4.tm	Method	TBLASTX:Maize
Start	8327	End	8593
GI	none	Score	56
Exons	8327..8380, 8336..8380, 8386..8592, 8387..8593		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	8339	End	11331
GI	none	Score	357
Exons	8339..8599, 8386..8598, 9470..9943, 9471..9944, 9472..9516, 9580..9945, 10511..10624, 10512..10628, 10513..10629, 10513..10629, 10774..11331, 10776..11324		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	8392	End	9601
GI	none	Score	300
Exons	8392..8598, 8393..8599, 8554..8601, 9470..9541, 9472..9516, 9527..9601		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o3.tc	Method	TBLASTX:Cress
Start	8398	End	9556

GI	none	Score	327
Exons	8398..8598, 8399..8599, 9470..9556, 9472..9516		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	9558	End	11363
GI	none	Score	370
Exons	9558..9935, 9560..9943, 9560..9949, 10512..10628, 10512..10628, 10513..10629, 10774..11328, 10776..11363, 10779..11348		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o1.tc	Method	TBLASTX:Cress
Start	9681	End	10629
GI	none	Score	371
Exons	9681..9917, 9682..9930, 9683..9934, 9709..9936, 10494..10562, 10498..10530, 10539..10628, 10546..10629		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o4.tc	Method	TBLASTX:Cress
Start	10777	End	11199
GI	none	Score	309
Exons	10777..11199, 10791..11165		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	10914	End	11199
GI	none	Score	230
Exons	10914..11165, 10915..11199		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o6.tm	Method	TBLASTX:Maize
Start	13137	End	13779
GI	none	Score	216
Exons	13137..13277, 13184..13264, 13444..13572, 13445..13573, 13500..13574, 13668..13772, 13668..13778, 13669..13779, 13669..13779		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o4.ts	Method	TBLASTX:Soybean
Start	13794	End	15089
GI	none	Score	59
Exons	13794..13838, 13795..13833, 13935..14099, 13936..14208, 14332..14541, 14781..14909, 15021..15089		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5

Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o5.tm	Method	TBLASTX:Maize
Start	14062	End	14322
GI	none	Score	335
Exons	14062..14322, 14064..14219, 14289..14321		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o2.tm	Method	TBLASTX:Maize
Start	15023	End	15628
GI	none	Score	228
Exons	15023..15265, 15024..15266, 15028..15276, 15213..15266, 15378..15452, 15380..15490, 15385..15594, 15386..15592, 15387..15599, 15480..15626, 15547..15627, 15560..15628		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o3.ts	Method	TBLASTX:Soybean
Start	19972	End	21069
GI	none	Score	145
Exons	19972..20313, 19976..20173, 20125..20325, 20204..20299, 20617..20823, 20908..21069		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o10.tm	Method	TBLASTX:Maize
Start	19978	End	21018
GI	none	Score	115
Exons	19978..20343, 20695..20805, 20806..21018		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o5.tc	Method	TBLASTX:Cress
Start	19999	End	21150
GI	none	Score	66
Exons	19999..20313, 20053..20355, 20056..20298, 20056..20382, 20059..20283, 20341..20391, 20605..20823, 20614..20814, 20623..20817, 20683..20823, 20686..20826, 20692..20826, 20695..20820, 20827..21078, 20827..21051, 20827..21051, 20830..21033, 20832..20867, 20833..21045, 20834..20947, 20839..21024, 20842..20961, 20842..21051, 20863..20997, 20887..21051, 21019..21150		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o2.tc	Method	TBLASTX:Cress
Start	29208	End	30307
GI	none	Score	223
Exons	29208..29459, 29267..29413, 29496..29537, 29790..29861, 29853..30002, 29912..30001, 30030..30164, 30041..30148, 30176..30307, 30177..30302		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o11.tm	Method	TBLASTX:Maize
Start	29223	End	29632
GI	none	Score	215
Exons	29223..29459, 29267..29458, 29499..29537, 29582..29632		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o2.ts	Method	TBLASTX:Soybean
Start	29229	End	29990
GI	none	Score	231
Exons	29229..29459, 29267..29452, 29499..29609, 29519..29608, 29712..29873, 29895..29990		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o3.tm	Method	TBLASTX:Maize
Start	29793	End	30302
GI	none	Score	95
Exons	29793..29939, 29796..29882, 29906..30172, 29919..30173, 30119..30301, 30165..30302		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o5.ts	Method	TBLASTX:Soybean
Start	29991	End	30230
GI	4297956	Score	171
Exons	29991..30164, 30023..30163, 30177..30230		
GI Descrip.	-		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o9.gs	Method	GENSCAN
Start	31697	End	45140
GI	none	Score	.4
Exons	31697..31718, 32448..32566, 32676..32794, 33107..33191, 33287..33381, 33495..33573, 34305..34370, 34804..34839, 35337..35405, 35505..35570, 35716..35920, 37144..37264, 38349..38371, 38816..38945, 42129..43212, 43443..43543, 44223..44253, 44817..45140		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o4.np	Method	AAT/NAP
Start	32394	End	37739
GI	5123545	Score	266
Exons	32394..32566, 32676..32819, 32965..33093, 33495..33573, 33776..33853, 33963..34031, 34305..34370, 34804..34839, 35337..35405, 35505..35570, 35716..35767, 37705..37739		

GI Descrip. (AL079344) arginine methyltransferase (pam1) [Arabidopsis thaliana]

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o8.tm	Method	TBLASTX:Maize
Start	32456	End	32861
GI	none	Score	84
Exons	32456..32569, 32463..32570, 32667..32780, 32671..32808, 32790..32861, 32809..32859		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o9.tm	Method	TBLASTX:Maize
Start	33108	End	33543
GI	none	Score	83
Exons	33108..33197, 33109..33195, 33269..33370, 33273..33386, 33275..33370, 33499..33543		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o7.gp	Method	AAT/GAP
Start	35302	End	36008
GI	59478_1.R1084	Score	790
Exons	35302..35405, 35505..35570, 35716..36008		

GI Descrip. '3088573 2.0e-16 (AF059530) protein arginine N-methyltransferase 3 [Rattus norvegicus]'

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o5.np	Method	AAT/NAP
Start	35690	End	58007
GI	5917666	Score	158
Exons	35690..35946, 37231..37486, 42656..42774, 44419..44587, 44850..44900, 46550..46600, 47774..47891, 49870..50230, 53344..53450, 57929..58007		

GI Descrip. (AF159297) extensin-like protein [Zea mays]

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o7.tm	Method	TBLASTX:Maize
Start	42469	End	52272
GI	none	Score	158
Exons	42469..42672, 42469..42756, 42485..42715, 51993..52037, 52000..52038, 52066..52272, 52071..52259		

Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o10.gs	Method	GENSCAN
Start	45371	End	49349
GI	none	Score	.79

Exons	45371..45561, 47282..47381, 47751..48008, 48736..48922, 49348..49349		
Seq. No.	28284	Seq. ID	OJ000250_89.0214.C5
Gene No.	58220	Strand	-
Start	31697	End	58007
Name	OJ000250_89.0214.C5.o8.gp	Method	AAT/GAP
Start	47499	End	47963
GI	none	Score	822
Exons	47499..47963		
Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58221	Strand	+
Start	1	End	3250
Name	OJ000250_89.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	3001
GI	6688529	Score	288
Exons	1..99, 2749..3001		
GI Descrip.	(AJ243339) I-box binding factor [Lycopersicon esculentum]		
Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58221	Strand	+
Start	1	End	3250
Name	OJ000250_89.0214.C6.o1.gp	Method	AAT/GAP
Start	26	End	3066
GI	uC-osflm202109f10b1	Score	708
Exons	26..99, 2749..3066		
GI Descrip.	'3335378 7.0e-26 (AC003028) Myb-related transcription activator [Arabidopsis thaliana]'		
Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58221	Strand	+
Start	1	End	3250
Name	OJ000250_89.0214.C6.o1.gs	Method	GENSCAN
Start	1573	End	3250
GI	none	Score	.95
Exons	1573..1614, 2657..3250		
Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58222	Strand	+
Start	3654	End	12425
Name	OJ000250_89.0214.C6.o2.gs	Method	GENSCAN
Start	3654	End	11475
GI	none	Score	.71
Exons	3654..3668, 4243..4360, 4393..4539, 5748..6113, 6663..6935, 7431..7777, 8453..8605, 8677..8796, 9108..9197, 9354..9454, 9989..10035, 10112..10188, 11263..11475		
Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58222	Strand	+
Start	3654	End	12425
Name	OJ000250_89.0214.C6.o2.np	Method	AAT/NAP
Start	7308	End	12425
GI	3582520	Score	160
Exons	7308..7335, 7553..7602, 9105..9197, 9354..9454, 9989..10035, 10112..10193, 12391..12425		
GI Descrip.	(AF016265) FUSCA3 [Arabidopsis thaliana]		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58223	Strand	-
Start	3418	End	3686
Name	OJ000250_89.0214.C6.o2.gp	Method	AAT/GAP
Start	3418	End	3686
GI	5038915	Score	502
Exons	3418..3686		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58224	Strand	-
Start	11881	End	12153
Name	OJ000250_89.0214.C6.o3.gs	Method	GENSCAN
Start	11881	End	12153
GI	none	Score	.98
Exons	11881..12153		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	15	End	3066
GI	none	Score	95
Exons	15..53, 37..102, 53..109, 2746..3039, 2746..2964, 2750..3040, 2768..3040, 3040..3066, 3040..3066		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	49	End	3085
GI	none	Score	92
Exons	49..102, 53..109, 2746..2964, 2768..3031, 3061..3084, 3062..3085		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	53	End	2932
GI	none	Score	83
Exons	53..109, 2728..2931, 2768..2932		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	2746	End	2992
GI	none	Score	88
Exons	2746..2871, 2746..2937, 2771..2992		

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	3068	End	3411
GI	none	Score	133
Exons	3068..3151, 3068..3250, 3147..3251, 3305..3388, 3318..3386,		

3319..3411

Seq. No.	28285	Seq. ID	OJ000250_89.0214.C6
Gene No.	58225	Strand	-
Start	13048	End	13538
Name	OJ000250_89.0214.C6.o4.gs	Method	GENSCAN
Start	13048	End	13538
GI	none	Score	.51
Exons	13048..13095, 13209..13410, 13504..13538		

Seq. No.	28286	Seq. ID	OJ000250_89.0214.C7
Gene No.	58226	Strand	+
Start	178	End	523
Name	OJ000250_89.0214.C7.o1.gs	Method	GENSCAN
Start	178	End	523
GI	none	Score	.86
Exons	178..335, 407..523		

Seq. No.	28287	Seq. ID	OJ000250_89.0214.C10
Gene No.	58227	Strand	+
Start	105	End	178
Name	OJ000250_89.0214.C10.o1.gs	Method	GENSCAN
Start	105	End	178
GI	none	Score	.46
Exons	105..178		

Seq. No.	28288	Seq. ID	OJ000250_89.0214.C11
Gene No.	58228	Strand	-
Start	80	End	531
Name	OJ000250_89.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	57	End	307
GI	none	Score	233
Exons	57..302, 59..307		

Seq. No.	28288	Seq. ID	OJ000250_89.0214.C11
Gene No.	58228	Strand	-
Start	80	End	531
Name	OJ000250_89.0214.C11.o1.tw	Method	TBLASTX:Wheat
Start	59	End	361
GI	none	Score	113
Exons	59..310, 62..301, 69..302, 305..361, 315..356		

Seq. No.	28288	Seq. ID	OJ000250_89.0214.C11
Gene No.	58228	Strand	-
Start	80	End	531
Name	OJ000250_89.0214.C11.o1.gs	Method	GENSCAN
Start	80	End	412
GI	none	Score	.57
Exons	80..412		

Seq. No.	28288	Seq. ID	OJ000250_89.0214.C11
Gene No.	58228	Strand	-
Start	80	End	531
Name	OJ000250_89.0214.C11.o1.np	Method	AAT/NAP
Start	89	End	531
GI	4417308	Score	331
Exons	89..531		

GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	28288	Seq. ID	OJ000250_89.0214.C11
Gene No.	58228	Strand	-
Start	80	End	531
Name	OJ000250_89.0214.C11.o1.ts	Method	TBLASTX:Soybean
Start	161	End	523
GI	none	Score	80
Exons	161..292, 299..523, 333..512		
Seq. No.	28289	Seq. ID	OJ000250_89.0214.C12
Gene No.	58229	Strand	+
Start	1	End	172
Name	OJ000250_89.0214.C12.o1.np	Method	AAT/NAP
Start	1	End	172
GI	4680186	Score	292
Exons	1..172		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	28289	Seq. ID	OJ000250_89.0214.C12
Gene No.	58229	Strand	+
Start	1	End	172
Name	OJ000250_89.0214.C12.o1.gs	Method	GENSCAN
Start	65	End	125
GI	none	Score	.87
Exons	65..125		
Seq. No.	28289	Seq. ID	OJ000250_89.0214.C12
Gene No.	58230	Strand	-
Start	1	End	105
Name	OJ000250_89.0214.C12.o1.gp	Method	AAT/GAP
Start	1	End	105
GI	uC-osf1cyp033a04b1	Score	202
Exons	1..105		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	28290	Seq. ID	OJ000250_89.0214.C13
Gene No.	58231	Strand	+
Start	1	End	182
Name	OJ000250_89.0214.C13.o1.gp	Method	AAT/GAP
Start	1	End	182
GI	none	Score	326
Exons	1..182		
Seq. No.	28291	Seq. ID	OJ000250_89.0214.C15
Gene No.	58232	Strand	-
Start	79	End	367
Name	OJ000250_89.0214.C15.o1.gs	Method	GENSCAN
Start	79	End	367
GI	none	Score	.52
Exons	79..367		
Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773

Name	OJ000250_89.0214.C16.o1.gp	Method	AAT/GAP
Start	1	End	2109
GI	4714835	Score	880
Exons	1..87, 194..337, 425..499, 1261..1331, 2001..2109		
GI Descrip.	2443881 1.0e-59 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773
Name	OJ000250_89.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	3292
GI	2443881	Score	1022
Exons	1..87, 194..337, 425..499, 1261..1331, 2001..2103, 2305..2531, 2689..2832, 3133..3292		
GI Descrip.	(AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773
Name	OJ000250_89.0214.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	503
GI	none	Score	114
Exons	1..99, 5..88, 7..99, 184..339, 194..346, 195..338, 199..339, 411..503, 416..499, 421..501		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773
Name	OJ000250_89.0214.C16.o1.tc	Method	TBLASTX:Cress
Start	15	End	481
GI	none	Score	41
Exons	15..95, 184..345, 194..346, 198..335, 199..336, 411..479, 416..481		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773
Name	OJ000250_89.0214.C16.o1.gs	Method	GENSCAN
Start	194	End	3267
GI	none	Score	.89
Exons	194..337, 425..499, 1261..1331, 2001..2103, 2305..2531, 2689..2806, 3137..3267		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773
Name	OJ000250_89.0214.C16.o2.tm	Method	TBLASTX:Maize
Start	1261	End	2812
GI	none	Score	100
Exons	1261..1335, 1262..1333, 1994..2104, 1995..2102, 1998..2138, 1999..2103, 2302..2511, 2303..2491, 2305..2529, 2419..2511, 2690..2812, 2699..2794		

Seq. No.	28292	Seq. ID	OJ000250_89.0214.C16
Gene No.	58233	Strand	-
Start	1	End	3773

Name	OJ000250_89.0214.C16.o2.gp	Method	AAT/GAP
Start	3138	End	3773
GI	570065	Score	426
Exons	3138..3267, 3667..3773		
GI Descrip.	2443881 1.0e-16 (AC002294) contains beta-transducin motif [Arabidopsis thaliana]		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58234	Strand	+
Start	159	End	2517
Name	OJ000250_89.0214.C17.o1.gs	Method	GENSCAN
Start	159	End	2517
GI	none	Score	.67
Exons	159..326, 2064..2109, 2384..2517		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58235	Strand	+
Start	9119	End	11630
Name	OJ000250_89.0214.C17.o3.gs	Method	GENSCAN
Start	9119	End	11250
GI	none	Score	.73
Exons	9119..11250		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58235	Strand	+
Start	9119	End	11630
Name	OJ000250_89.0214.C17.o2.np	Method	AAT/NAP
Start	9572	End	11630
GI	5441880	Score	1852
Exons	9572..10577, 11022..11053, 11312..11630		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58235	Strand	+
Start	9119	End	11630
Name	OJ000250_89.0214.C17.o1.gp	Method	AAT/GAP
Start	10176	End	10607
GI	5701669	Score	837
Exons	10176..10607		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o2.gs	Method	GENSCAN
Start	3207	End	8455
GI	none	Score	.89
Exons	3207..3380, 3682..3783, 3867..4001, 4114..4353, 4599..4767, 4857..5347, 5666..5985, 6381..6458, 7019..7213, 7348..7509, 7744..7803, 8277..8358, 8363..8455		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-

Start	3207	End	8455
Name	OJ000250_89.0214.C17.o1.np	Method	AAT/NAP
Start	3645	End	5575
GI	729396	Score	646
Exons	3645..3783, 3867..4001, 4114..4353, 4599..4767, 4857..5347, 5436..5575		
GI Descrip.	ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) (ELONGATION FACTOR TU) (EF-TU) gi|581023|emb|CAA51984| (X73582) elongation factor 1-alpha [Desulfurococcus mobilis]		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o1.tc	Method	TBLASTX:Cress
Start	3670	End	5546
GI	none	Score	108
Exons	3670..3771, 4638..4766, 4874..5014, 5018..5113, 5102..5344, 5439..5546		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o4.tm	Method	TBLASTX:Maize
Start	3710	End	4011
GI	none	Score	137
Exons	3710..3784, 3712..3786, 3808..4008, 3852..4007, 3862..4011		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o3.tm	Method	TBLASTX:Maize
Start	4090	End	4722
GI	none	Score	198
Exons	4090..4356, 4112..4348, 4594..4722, 4596..4721		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o2.ts	Method	TBLASTX:Soybean
Start	4111	End	4351
GI	none	Score	167
Exons	4111..4350, 4115..4351		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o1.ts	Method	TBLASTX:Soybean
Start	4638	End	5546
GI	none	Score	102
Exons	4638..4766, 4874..5014, 5018..5113, 5102..5344, 5103..5339, 5439..5546, 5440..5544		

Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	4728	End	5471

GI	none	Score	150
Exons	4728..4766, 4850..5101, 4854..5030, 4856..5119, 5102..5350, 5103..5351, 5114..5371, 5436..5471		
Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o2.tw	Method	TBLASTX:Wheat
Start	4874	End	5546
GI	none	Score	70
Exons	4874..5014, 5018..5113, 5102..5344, 5439..5546, 5440..5544		
Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58236	Strand	-
Start	3207	End	8455
Name	OJ000250_89.0214.C17.o5.tm	Method	TBLASTX:Maize
Start	6427	End	7215
GI	none	Score	65
Exons	6427..6459, 6427..6459, 7002..7214, 7020..7214, 7021..7215		
Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58237	Strand	
Start	10133	End	10807
Name	OJ000250_89.0214.C17.o2.tm	Method	TBLASTX:Maize
Start	10133	End	10729
GI	none	Score	93
Exons	10133..10261, 10141..10239, 10295..10594, 10312..10533, 10658..10729		
Seq. No.	28293	Seq. ID	OJ000250_89.0214.C17
Gene No.	58237	Strand	
Start	10133	End	10807
Name	OJ000250_89.0214.C17.o1.tw	Method	TBLASTX:Wheat
Start	10427	End	10807
GI	none	Score	209
Exons	10427..10621, 10433..10633, 10627..10746, 10631..10807, 10631..10777		
Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.gp	Method	AAT/GAP
Start	1	End	677
GI	610_1.R1084	Score	1339
Exons	1..677		
GI Descrip.	'322787/pir||JC1481 1.0e-112 pyruvate kinase (EC 2.7.1.40), cytosolic - potato'		
Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	571
GI	none	Score	818
Exons	1..564, 2..571		
Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18

Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.np	Method	AAT/NAP
Start	1	End	562
GI	125606	Score	810
Exons	1..562		
GI Descrip.	PYRUVATE KINASE, CYTOSOLIC ISOZYME gi|100463|pir||S12248 pyruvate kinase (EC 2.7.1.40) - potato gi|22576|emb|CAA37727| (X53688) pyruvate kinase [Solanum tuberosum]		

Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	603
GI	none	Score	897
Exons	1..603, 2..568		

Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.tc	Method	TBLASTX:Cress
Start	2	End	439
GI	none	Score	331
Exons	2..439, 2..406		

Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.gs	Method	GENSCAN
Start	20	End	565
GI	none	Score	.96
Exons	20..565		

Seq. No.	28294	Seq. ID	OJ000250_89.0214.C18
Gene No.	58238	Strand	+
Start	1	End	677
Name	OJ000250_89.0214.C18.o1.tw	Method	TBLASTX:Wheat
Start	154	End	439
GI	none	Score	230
Exons	154..405, 155..439		

Seq. No.	28295	Seq. ID	OJ000250_85.0214.C2
Gene No.	58239	Strand	+
Start	1	End	691
Name	OJ000250_85.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	691
GI	6942149	Score	191
Exons	1..199, 628..691		
GI Descrip.	(AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana]		

Seq. No.	28295	Seq. ID	OJ000250_85.0214.C2
Gene No.	58239	Strand	+
Start	1	End	691
Name	OJ000250_85.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	5	End	196
GI	none	Score	325

Exons	5..196, 6..194		
Seq. No.	28295	Seq. ID	OJ000250_85.0214.C2
Gene No.	58239	Strand	+
Start	1	End	691
Name	OJ000250_85.0214.C2.o1.ts	Method	TBLASTX:Soybean
Start	5	End	203
GI	none	Score	268
Exons	5..196, 6..194, 6..203		
Seq. No.	28295	Seq. ID	OJ000250_85.0214.C2
Gene No.	58239	Strand	+
Start	1	End	691
Name	OJ000250_85.0214.C2.o1.tw	Method	TBLASTX:Wheat
Start	9	End	196
GI	none	Score	304
Exons	9..194, 11..196, 14..196		
Seq. No.	28296	Seq. ID	OJ000250_85.0214.C5
Gene No.	58240	Strand	-
Start	789	End	854
Name	OJ000250_85.0214.C5.o1.gs	Method	GENSCAN
Start	789	End	854
GI	none	Score	.86
Exons	789..854		
Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58241	Strand	+
Start	1552	End	5707
Name	OJ000250_85.0214.C6.o1.gs	Method	GENSCAN
Start	1552	End	5707
GI	none	Score	.53
Exons	1552..2072, 2506..2570, 4262..4341, 5549..5707		
Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58241	Strand	+
Start	1552	End	5707
Name	OJ000250_85.0214.C6.o1.np	Method	AAT/NAP
Start	1552	End	2087
GI	4835767	Score	298
Exons	1552..2087		
GI Descrip.	(AC007202) T8K14.16 [Arabidopsis thaliana]		
Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897
Name	OJ000250_85.0214.C6.o2.gs	Method	GENSCAN
Start	7116	End	16669
GI	none	Score	.45
Exons	7116..7173, 7985..8052, 8230..8302, 8703..8927, 9529..9747, 10392..10656, 10774..10954, 13813..14134, 14228..14331, 14442..14641, 14759..14859, 15167..15191, 15305..15466, 15579..15660, 15740..16167, 16450..16669		
Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897

Name	OJ000250_85.0214.C6.o2.np	Method	AAT/NAP
Start	8194	End	11071
GI	6942149	Score	990
Exons	8194..8302, 8703..8927, 9343..9747, 10243..10737, 11008..11071		
GI Descrip.	(AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana]		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897
Name	OJ000250_85.0214.C6.o2.gp	Method	AAT/GAP
Start	9997	End	10423
GI	uC-osf1M202061g07b1	Score	336
Exons	9997..10025, 10243..10423		
GI Descrip.	'4884104/emb|CAB43253.1| 4.0e-15 (AL050060) hypothetical protein [Homo sapiens]'		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897
Name	OJ000250_85.0214.C6.o3.np	Method	AAT/NAP
Start	12468	End	16603
GI	1171027	Score	1251
Exons	12468..12498, 14031..14134, 14228..14331, 14442..14641, 14759..14859, 14978..15191, 15305..15466, 15579..15660, 15740..16167, 16450..16603		
GI Descrip.	MALE STERILITY PROTEIN 2 gi|421835|pir||S33804 gene MS2 protein - Arabidopsis thaliana gi|396835|emb|CAA52019| (X73652) male sterility 2 (MS2) protein [Arabidopsis thaliana] gi|448297|prf||1916413A male sterility 2 gene [Arabidopsis thaliana]		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897
Name	OJ000250_85.0214.C6.o3.gp	Method	AAT/GAP
Start	14252	End	14643
GI	uC-osf1cyp086h02b1	Score	462
Exons	14252..14331, 14442..14643		
GI Descrip.	'1171027/sp|Q08891|MS2_ARATH 3.0e-42 MALE STERILITY PROTEIN 2 >gi_421835_pir__S33804 gene MS2 protein - Arabidopsis thaliana >gi_396835_emb_CAA52019_ (X73652) male sterility 2 (MS2) protein [Arabidopsis thaliana] >gi_448297_prf__1916413A male sterility 2 gene [Arabidopsis thaliana]'		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58242	Strand	+
Start	7116	End	16897
Name	OJ000250_85.0214.C6.o4.gp	Method	AAT/GAP
Start	16432	End	16897
GI	3762242	Score	871
Exons	16432..16897		
GI Descrip.	1171027/sp|Q08891|MS2_ARATH 2.0e-17 MALE STERILITY PROTEIN 2 >gi_421835_pir__S33804 gene MS2 protein - Arabidopsis thaliana >gi_396835_emb_CAA52019_ (X73652) male sterility 2 (MS2) protein [Arabidopsis thaliana] >gi_448297_prf__1916413A male sterility 2 gene [Arabidopsis thaliana]		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58243	Strand	-
Start	1920	End	2435
Name	OJ000250_85.0214.C6.o1.gp	Method	AAT/GAP
Start	1920	End	2435
GI	52163_1.R1084	Score	1003
Exons	1920..2435		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-23 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o5.tm	Method	TBLASTX:Maize
Start	1552	End	2034
GI	none	Score	236
Exons	1552..1830, 1656..1784, 1788..1826, 1789..1842, 1945..2034, 1951..2025		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o3.ts	Method	TBLASTX:Soybean
Start	1656	End	2058
GI	none	Score	203
Exons	1656..1826, 1657..1842, 1944..2036, 1945..2058		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o3.tw	Method	TBLASTX:Wheat
Start	1906	End	2209
GI	none	Score	226
Exons	1906..2070, 1942..2082, 1952..2074, 2182..2208, 2183..2209, 2188..2208		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o3.tc	Method	TBLASTX:Cress
Start	8179	End	9566
GI	none	Score	83
Exons	8179..8298, 8701..8790, 8702..8794, 8803..8928, 8804..8926, 9342..9545, 9344..9562, 9432..9566, 9461..9562		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o2.ts	Method	TBLASTX:Soybean
Start	8230	End	9748
GI	none	Score	84
Exons	8230..8301, 8701..8799, 8702..8800, 8803..8919, 8804..8926, 8810..8923, 9342..9746, 9344..9748		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139

Name	OJ000250_85.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	8702	End	9748
GI	none	Score	332
Exons	8702..8917, 8704..8916, 8749..8925, 9342..9746, 9342..9746, 9344..9748		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o2.tw	Method	TBLASTX:Wheat
Start	9563	End	10477
GI	none	Score	269
Exons	9563..9748, 9588..9746, 10242..10382, 10242..10364, 10244..10393, 10394..10477		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o4.tc	Method	TBLASTX:Cress
Start	9635	End	10672
GI	none	Score	137
Exons	9635..9748, 9636..9746, 10228..10362, 10242..10373, 10242..10364, 10244..10372, 10334..10642, 10643..10672		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o4.ts	Method	TBLASTX:Soybean
Start	10232	End	10621
GI	none	Score	70
Exons	10232..10315, 10234..10365, 10242..10370, 10244..10369, 10502..10621		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o7.tm	Method	TBLASTX:Maize
Start	10232	End	10373
GI	none	Score	137
Exons	10232..10366, 10242..10373, 10242..10325, 10244..10369		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o4.tm	Method	TBLASTX:Maize
Start	10400	End	11074
GI	none	Score	68
Exons	10400..10471, 10471..10563, 10475..10528, 10547..10582, 10604..10681, 10612..10668, 10678..10758, 10752..10847, 10753..10848, 10753..10851, 10775..10852, 10781..10834, 10840..10860, 10891..10986, 10892..10987, 10936..11073, 10964..11074		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o1.tc	Method	TBLASTX:Cress

Start	14080	End	16594
GI	none	Score	74
Exons	14080..14133, 14226..14342, 14227..14373, 14441..14641, 14448..14645, 14756..14794, 14756..14857, 14757..14858, 14760..14864, 14974..15051, 14982..15050, 15091..15192, 15303..15467, 15303..15467, 15304..15468, 15305..15481, 15576..15662, 15577..15663, 15577..15681, 15739..15792, 15740..15793, 15832..15972, 15833..16015, 16064..16171, 16078..16173, 16447..16587, 16448..16594		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o6.tm	Method	TBLASTX:Maize
Start	14454	End	15042
GI	none	Score	129
Exons	14454..14645, 14756..14857, 14757..14858, 14974..15042, 14982..15038		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o5.ts	Method	TBLASTX:Soybean
Start	15297	End	16594
GI	none	Score	201
Exons	15297..15470, 15302..15466, 15740..15790, 15839..16006, 16475..16594		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o3.tm	Method	TBLASTX:Maize
Start	15604	End	16107
GI	none	Score	81
Exons	15604..15663, 15605..15661, 15612..15662, 15738..15764, 15739..15798, 15740..15799, 15829..16011, 15830..16015, 15947..16024, 15957..16025, 16078..16107		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o5.gp	Method	AAT/GAP
Start	16960	End	18973
GI	13419_1.R1084	Score	1918
Exons	16960..17553, 17803..17910, 17992..18081, 18158..18349, 18907..18973		
GI Descrip.	'4530611/gb|AAD22116.1| 1.0e-138 (AF134552) serine/threonine protein phosphatase PP2A-2 catalytic subunit [Oryza sativa subsp. indica]'		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	17474	End	18350
GI	none	Score	99
Exons	17474..17572, 17488..17571, 17803..17910, 17807..17911,		

17815..17913, 17990..18085, 17992..18084, 18158..18349,
18162..18350

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	17483	End	18979
GI	none	Score	101
Exons	17483..17554, 17488..17559, 17803..17910, 17807..17911, 17815..17913, 17990..18082, 17992..18084, 17992..18084, 18156..18350, 18156..18269, 18158..18349, 18904..18975, 18905..18979		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o2.tc	Method	TBLASTX:Cress
Start	17488	End	18975
GI	none	Score	98
Exons	17488..17559, 17492..17554, 17803..17910, 17807..17911, 17824..17913, 17990..18082, 17992..18084, 17992..18084, 18156..18272, 18158..18340, 18158..18349, 18162..18350, 18291..18389, 18884..18973, 18904..18975		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o4.np	Method	AAT/NAP
Start	17491	End	19139
GI	5714762	Score	794
Exons	17491..17553, 17803..17910, 17992..18081, 18158..18349, 18907..19139		
GI Descrip.	(AF173881) serine/threonine protein phosphatase PP2A-4 catalytic subunit [Oryza sativa subsp. indica]		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o3.gs	Method	GENSCAN
Start	17746	End	18973
GI	none	Score	.79
Exons	17746..17910, 17992..18081, 18158..18349, 18907..18973		

Seq. No.	28297	Seq. ID	OJ000250_85.0214.C6
Gene No.	58244	Strand	-
Start	16960	End	19139
Name	OJ000250_85.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	17803	End	18975
GI	none	Score	89
Exons	17803..17913, 17828..17914, 17995..18084, 17996..18082, 18156..18332, 18158..18349, 18158..18349, 18904..18975, 18911..18973		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025

Name	OJ000250_85.0214.C7.o1.tc	Method	TBLASTX:Cress
Start	107	End	1830
GI	none	Score	77
Exons	107..205, 114..182, 353..460, 402..458, 556..645, 557..640, 1030..1164, 1031..1165, 1767..1829, 1774..1830		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	107	End	1830
GI	none	Score	69
Exons	107..205, 114..182, 365..460, 402..458, 556..645, 557..640, 558..641, 1030..1164, 1109..1162, 1770..1829, 1774..1830		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	107	End	633
GI	none	Score	107
Exons	107..181, 111..182, 111..182, 112..183, 407..454, 411..455, 556..633, 557..631		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.gp	Method	AAT/GAP
Start	108	End	2025
GI	13419_1.R1084	Score	883
Exons	108..181, 386..457, 556..639, 1105..1161, 1776..2025		
GI Descrip.	'4530611/gb|AAD22116.1| 1.0e-138 (AF134552) serine/threonine protein phosphatase PP2A-2 catalytic subunit [Oryza sativa subsp. indica]'		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.np	Method	AAT/NAP
Start	108	End	1874
GI	5714762	Score	431
Exons	108..181, 386..457, 556..639, 1105..1161, 1776..1874		
GI Descrip.	(AF173881) serine/threonine protein phosphatase PP2A-4 catalytic subunit [Oryza sativa subsp. indica]		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-
Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	353	End	1878
GI	none	Score	78
Exons	353..460, 402..458, 530..631, 531..632, 556..645, 557..640, 1030..1170, 1030..1173, 1031..1183, 1770..1850, 1773..1877, 1774..1878		

Seq. No.	28298	Seq. ID	OJ000250_85.0214.C7
Gene No.	58245	Strand	-

Start	108	End	2025
Name	OJ000250_85.0214.C7.o1.gs	Method	GENSCAN
Start	386	End	1987
GI	none	Score	.77
Exons	386..457, 556..639, 1105..1161, 1776..1987		

Seq. No.	28299	Seq. ID	OJ000250_85.0214.C8
Gene No.	58246	Strand	+
Start	1	End	2521
Name	OJ000250_85.0214.C8.o2.np	Method	AAT/NAP
Start	1	End	2521
GI	5852093	Score	57
Exons	1..27, 674..792, 2461..2521		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	28299	Seq. ID	OJ000250_85.0214.C8
Gene No.	58247	Strand	+
Start	2476	End	3012
Name	OJ000250_85.0214.C8.o1.gp	Method	AAT/GAP
Start	2476	End	3012
GI	none	Score	476
Exons	2476..2740, 2946..3012		

Seq. No.	28299	Seq. ID	OJ000250_85.0214.C8
Gene No.	58248	Strand	-
Start	1	End	324
Name	OJ000250_85.0214.C8.o1.np	Method	AAT/NAP
Start	1	End	324
GI	5852093	Score	63
Exons	1..37, 197..324		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	28299	Seq. ID	OJ000250_85.0214.C8
Gene No.	58249	Strand	-
Start	2298	End	3432
Name	OJ000250_85.0214.C8.o1.gs	Method	GENSCAN
Start	2298	End	3432
GI	none	Score	.54
Exons	2298..2564, 2848..3058, 3386..3432		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58250	Strand	+
Start	565	End	2915
Name	OJ000250_85.0214.C9.o1.gs	Method	GENSCAN
Start	565	End	1917
GI	none	Score	.85
Exons	565..621, 667..1917		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58250	Strand	+
Start	565	End	2915
Name	OJ000250_85.0214.C9.o1.gp	Method	AAT/GAP
Start	664	End	899
GI	none	Score	442
Exons	664..899		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9

Gene No.	58250	Strand	+
Start	565	End	2915
Name	OJ000250_85.0214.C9.o1.np	Method	AAT/NAP
Start	826	End	2915
GI	5852098	Score	144
Exons	826..1464, 2897..2915		
GI Descrip.	(AL117264) zwh21.1 [Oryza sativa]		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58251	Strand	+
Start	7550	End	8883
Name	OJ000250_85.0214.C9.o3.gs	Method	GENSCAN
Start	7550	End	8799
GI	none	Score	.63
Exons	7550..7713, 7866..7935, 8036..8232, 8331..8406, 8638..8799		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58251	Strand	+
Start	7550	End	8883
Name	OJ000250_85.0214.C9.o2.np	Method	AAT/NAP
Start	7562	End	8883
GI	3128174	Score	228
Exons	7562..7715, 7793..7935, 8716..8790, 8842..8883		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58252	Strand	-
Start	2016	End	2471
Name	OJ000250_85.0214.C9.o2.gp	Method	AAT/GAP
Start	2016	End	2471
GI	none	Score	891
Exons	2016..2471		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	662	End	1577
GI	none	Score	1139
Exons	662..1519, 666..1577, 667..1446, 671..1450, 1486..1575		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	667	End	1203
GI	none	Score	143
Exons	667..798, 670..777, 787..1020, 807..1028, 1056..1202, 1057..1203		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o1.tc	Method	TBLASTX:Cress
Start	1111	End	1572
GI	none	Score	64
Exons	1111..1239, 1213..1572, 1215..1565		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o4.ts	Method	TBLASTX:Soybean
Start	1232	End	1353
GI	none	Score	144
Exons	1232..1351, 1233..1352, 1233..1352, 1234..1353		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o2.ts	Method	TBLASTX:Soybean
Start	1360	End	1749
GI	none	Score	460
Exons	1360..1749, 1360..1746, 1521..1748		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o3.tm	Method	TBLASTX:Maize
Start	1593	End	1916
GI	none	Score	85
Exons	1593..1691, 1594..1692, 1596..1694, 1680..1916, 1684..1914		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58253	Strand	-
Start	6820	End	7158
Name	OJ000250_85.0214.C9.o2.gs	Method	GENSCAN
Start	6820	End	7158
GI	none	Score	.9
Exons	6820..7158		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58254	Strand	
Start	7597	End	7940
Name	OJ000250_85.0214.C9.o5.ts	Method	TBLASTX:Soybean
Start	7597	End	7940
GI	none	Score	185
Exons	7597..7716, 7598..7714, 7601..7717, 7855..7938, 7857..7940		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58255	Strand	
Start	7878	End	8790
Name	OJ000250_85.0214.C9.o2.tm	Method	TBLASTX:Maize
Start	7878	End	8412
GI	none	Score	84
Exons	7878..7940, 7879..7938, 7996..8232, 8021..8233, 8036..8233, 8328..8408, 8331..8411, 8332..8412		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58255	Strand	
Start	7878	End	8790
Name	OJ000250_85.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	8087	End	8766
GI	none	Score	174
Exons	8087..8233, 8092..8238, 8319..8411, 8328..8408, 8332..8424, 8716..8766		

Seq. No.	28300	Seq. ID	OJ000250_85.0214.C9
Gene No.	58255	Strand	
Start	7878	End	8790
Name	OJ000250_85.0214.C9.o3.ts	Method	TBLASTX:Soybean
Start	8129	End	8790
GI	none	Score	113
Exons	8129..8233, 8173..8232, 8328..8408, 8332..8424, 8716..8790		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58256	Strand	+
Start	1	End	2403
Name	OJ000250_85.0214.C10.o1.np	Method	AAT/NAP
Start	1	End	2195
GI	1280135	Score	118
Exons	1..28, 102..222, 294..476, 828..1035, 1160..1269, 2158..2195		
GI Descrip.	(U55376) coded for by C. elegans cDNA cm21e6; coded for by C. elegans cDNA cm01e2; similar to melibiose carrier protein (thiomethylgalactoside permease II) [Caenorhabditis elegans]		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58256	Strand	+
Start	1	End	2403
Name	OJ000250_85.0214.C10.o1.gs	Method	GENSCAN
Start	546	End	1978
GI	none	Score	.8
Exons	546..650, 877..1035, 1160..1293, 1491..1636, 1872..1978		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58256	Strand	+
Start	1	End	2403
Name	OJ000250_85.0214.C10.o1.gp	Method	AAT/GAP
Start	1977	End	2403
GI	none	Score	721
Exons	1977..2403		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58257	Strand	+
Start	4862	End	5284
Name	OJ000250_85.0214.C10.o2.gp	Method	AAT/GAP
Start	4803	End	5267
GI	none	Score	781
Exons	4803..5267		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58257	Strand	+
Start	4862	End	5284
Name	OJ000250_85.0214.C10.o3.np	Method	AAT/NAP
Start	4853	End	5284
GI	5080775	Score	136
Exons	4853..5284		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58257	Strand	+
Start	4862	End	5284
Name	OJ000250_85.0214.C10.o3.gs	Method	GENSCAN

Start	4862	End	5219
GI	none	Score	.92
Exons	4862..5219		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58258	Strand	-
Start	2192	End	3531
Name	OJ000250_85.0214.C10.o1.tm	Method	TBLASTX:Maize
Start	70	End	1294
GI	none	Score	127
Exons	70..189, 302..409, 309..413, 323..415, 738..788, 871..1038, 873..1049, 1159..1284, 1160..1294		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58258	Strand	-
Start	2192	End	3531
Name	OJ000250_85.0214.C10.o1.ts	Method	TBLASTX:Soybean
Start	342	End	1276
GI	none	Score	90
Exons	342..413, 738..788, 871..1038, 1160..1276, 1192..1275		

Seq. No.	28301	Seq. ID	OJ000250_85.0214.C10
Gene No.	58258	Strand	-
Start	2192	End	3531
Name	OJ000250_85.0214.C10.o2.gs	Method	GENSCAN
Start	2192	End	3531
GI	none	Score	.99
Exons	2192..3126, 3264..3531		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58259	Strand	+
Start	1	End	1379
Name	OJ000250_85.0214.C11.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	5080775	Score	290
Exons	1..31, 749..900, 1044..1139, 1245..1379		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58259	Strand	+
Start	1	End	1379
Name	OJ000250_85.0214.C11.o1.gs	Method	GENSCAN
Start	139	End	1367
GI	none	Score	.92
Exons	139..206, 588..687, 780..900, 1044..1139, 1245..1367		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58260	Strand	-
Start	1822	End	2298
Name	OJ000250_85.0214.C11.o2.gs	Method	GENSCAN
Start	1822	End	2298
GI	none	Score	.78
Exons	1822..1932, 2203..2298		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58261	Strand	-
Start	2222	End	2401

Name	OJ000250_85.0214.C11.o1.ts	Method	TBLASTX:Soybean
Start	575	End	1366
GI	none	Score	132
Exons	575..685, 778..807, 862..903, 1043..1138, 1044..1151, 1044..1151, 1245..1364, 1259..1366		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58261	Strand	-
Start	2222	End	2401
Name	OJ000250_85.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	586	End	903
GI	none	Score	169
Exons	586..672, 587..685, 592..687, 762..821, 777..818, 805..903, 807..902, 862..903		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58261	Strand	-
Start	2222	End	2401
Name	OJ000250_85.0214.C11.o1.tc	Method	TBLASTX:Cress
Start	862	End	1364
GI	none	Score	59
Exons	862..903, 1043..1141, 1044..1151, 1244..1363, 1245..1364		

Seq. No.	28302	Seq. ID	OJ000250_85.0214.C11
Gene No.	58261	Strand	-
Start	2222	End	2401
Name	OJ000250_85.0214.C11.o1.gp	Method	AAT/GAP
Start	2222	End	2401
GI	none	Score	306
Exons	2222..2401		

Seq. No.	28303	Seq. ID	OJ000250_85.0214.C12
Gene No.	58262	Strand	+
Start	206	End	8048
Name	OJ000250_85.0214.C12.o1.gs	Method	GENSCAN
Start	206	End	8038
GI	none	Score	.47
Exons	206..242, 466..663, 1058..1165, 1497..1556, 2663..2811, 3427..3516, 5300..5430, 5511..5628, 5687..8038		

Seq. No.	28303	Seq. ID	OJ000250_85.0214.C12
Gene No.	58262	Strand	+
Start	206	End	8048
Name	OJ000250_85.0214.C12.o2.tm	Method	TBLASTX:Maize
Start	6384	End	7026
GI	none	Score	62
Exons	6384..6443, 6391..6459, 6399..6476, 6447..6680, 6448..6636, 6464..6730, 6468..6665, 6470..6739, 6603..6767, 6700..6741, 6738..6932, 6739..6921, 6740..6922, 6994..7026		

Seq. No.	28303	Seq. ID	OJ000250_85.0214.C12
Gene No.	58262	Strand	+
Start	206	End	8048
Name	OJ000250_85.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	7596	End	8048
GI	none	Score	451
Exons	7596..8048, 7598..8047		

Seq. No.	28304	Seq. ID	OJ000250_85.0214.C13
Gene No.	58263	Strand	+
Start	27	End	1207
Name	OJ000250_85.0214.C13.o1.gs	Method	GENSCAN
Start	27	End	1207
GI	none	Score	.67
Exons	27..1207		

Seq. No.	28304	Seq. ID	OJ000250_85.0214.C13
Gene No.	58263	Strand	+
Start	27	End	1207
Name	OJ000250_85.0214.C13.o1.tm	Method	TBLASTX:Maize
Start	855	End	1164
GI	none	Score	282
Exons	855..1109, 855..1109, 856..1113, 1108..1164, 1113..1163		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58264	Strand	+
Start	13085	End	13585
Name	OJ000250_85.0214.C14.o4.gp	Method	AAT/GAP
Start	13085	End	13585
GI	none	Score	900
Exons	13085..13585		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58265	Strand	+
Start	17069	End	23102
Name	OJ000250_85.0214.C14.o7.gp	Method	AAT/GAP
Start	17034	End	19319
GI	35079_1.R1084	Score	1571
Exons	17034..17257, 18182..18255, 18780..19319		
GI Descrip.	'4680488/gb|AF119222.1|AF119222 3.0e-16 Oryza sativa BAC clone 1.H19, complete sequence'		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58265	Strand	+
Start	17069	End	23102
Name	OJ000250_85.0214.C14.o5.gs	Method	GENSCAN
Start	17069	End	22721
GI	none	Score	.89
Exons	17069..17257, 18182..18255, 19890..20063, 20601..20709, 20858..20998, 21098..21211, 21670..21748, 22275..22384, 22456..22512, 22632..22721		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58265	Strand	+
Start	17069	End	23102
Name	OJ000250_85.0214.C14.o8.gp	Method	AAT/GAP
Start	19596	End	23102
GI	837_1.R1084	Score	2081
Exons	19596..19640, 19872..20063, 20601..20709, 20858..20998, 21098..21211, 21670..21748, 22275..22384, 22456..22512, 22632..22701, 22827..23102		
GI Descrip.	'4105561 1.0e-134 (AF047444) ribulose-5-phosphate-3-epimerase [Oryza sativa]'		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58265	Strand	+
Start	17069	End	23102
Name	OJ000250_85.0214.C14.o4.np	Method	AAT/NAP
Start	19969	End	22873
GI	6647761	Score	1108
Exons	19969..20063, 20601..20709, 20858..20998, 21098..21211, 21670..21748, 22275..22384, 22456..22512, 22632..22701, 22827..22873		
GI Descrip.	RIBULOSE-PHOSPHATE 3-EPIMERASE PRECURSOR (PENTOSE-5-PHOSPHATE 3-EPIMERASE) (PPE) (RPE) (R5P3E) gi|4105561 (AF047444) ribulose-5-phosphate-3-epimerase [Oryza sativa]		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58266	Strand	+
Start	26669	End	26939
Name	OJ000250_85.0214.C14.o6.np	Method	AAT/NAP
Start	26669	End	26939
GI	6523547	Score	76
Exons	26669..26939		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58267	Strand	-
Start	1	End	4171
Name	OJ000250_85.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	1315
GI	3063444	Score	305
Exons	1..20, 716..803, 883..1047, 1160..1315		
GI Descrip.	(AC003981) F22O13.5 [Arabidopsis thaliana] gi|4973256|gb|AAD35005.1|AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58267	Strand	-
Start	1	End	4171
Name	OJ000250_85.0214.C14.o1.gp	Method	AAT/GAP
Start	379	End	664
GI	none	Score	545
Exons	379..664		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58267	Strand	-
Start	1	End	4171
Name	OJ000250_85.0214.C14.o1.gs	Method	GENSCAN
Start	645	End	4171
GI	none	Score	.71
Exons	645..803, 883..1047, 1160..1190, 1703..1730, 2210..2389, 2816..2959, 3947..4014, 4083..4171		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58267	Strand	-
Start	1	End	4171
Name	OJ000250_85.0214.C14.o2.gp	Method	AAT/GAP
Start	682	End	2615
GI	28186_1.R1084	Score	1336

Exons	682..803, 883..1047, 1160..1336, 2286..2496, 2569..2615		
GI Descrip.	'3063444 2.0e-30 (AC003981) F22O13.5 [Arabidopsis thaliana] >gi_4973256_gb_AAD35005.1_AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]'		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58268	Strand	-
Start	4630	End	7783
Name	OJ000250_85.0214.C14.o2.np	Method	AAT/NAP
Start	4630	End	7783
GI	6539263	Score	916
Exons	4630..4653, 6011..7529, 7743..7783		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58268	Strand	-
Start	4630	End	7783
Name	OJ000250_85.0214.C14.o2.gs	Method	GENSCAN
Start	5942	End	7579
GI	none	Score	1
Exons	5942..7579		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58269	Strand	-
Start	8028	End	12680
Name	OJ000250_85.0214.C14.o3.np	Method	AAT/NAP
Start	8027	End	9927
GI	2979544	Score	802
Exons	8027..8520, 8572..8753, 8897..9223, 9315..9530, 9619..9927		
GI Descrip.	(AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58269	Strand	-
Start	8028	End	12680
Name	OJ000250_85.0214.C14.o3.gs	Method	GENSCAN
Start	8028	End	12680
GI	none	Score	.73
Exons	8028..8810, 8927..9184, 9315..9530, 9619..9969, 10348..10383, 11172..12680		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58269	Strand	-
Start	8028	End	12680
Name	OJ000250_85.0214.C14.o3.gp	Method	AAT/GAP
Start	9635	End	9963
GI	2431472	Score	635
Exons	9635..9963		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58270	Strand	-
Start	13208	End	16786
Name	OJ000250_85.0214.C14.o4.gs	Method	GENSCAN
Start	13208	End	16786
GI	none	Score	.87
Exons	13208..13806, 13844..13999, 14736..14787, 14817..15215, 15360..15465, 16451..16531, 16653..16786		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58270	Strand	-
Start	13208	End	16786
Name	OJ000250_85.0214.C14.o6.gp	Method	AAT/GAP
Start	13717	End	14414
GI	3653_1.R1084	Score	1285
Exons	13717..14414		
GI Descrip.	'6016874/dbj|BAA85217.1| 3.0e-17 (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]'		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o5.ts	Method	TBLASTX:Soybean
Start	714	End	1306
GI	none	Score	60
Exons	714..803, 718..792, 869..1036, 880..1050, 1157..1306		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o2.tw	Method	TBLASTX:Wheat
Start	717	End	1318
GI	none	Score	41
Exons	717..803, 718..792, 869..1039, 880..1050, 1151..1318, 1161..1307		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o5.tm	Method	TBLASTX:Maize
Start	717	End	1318
GI	none	Score	65
Exons	717..803, 718..798, 869..1039, 877..1050, 1151..1318, 1161..1313		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o5.tc	Method	TBLASTX:Cress
Start	726	End	1306
GI	none	Score	116
Exons	726..803, 869..1051, 877..1050, 1157..1306		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	6017	End	7259
GI	none	Score	172
Exons	6017..6643, 6018..6458, 6209..6259, 6371..6547, 6437..6634, 6470..6634, 6507..6635, 6667..6717, 6677..6946, 6686..6871, 6699..6956, 6749..6886, 6749..6943, 6767..6943, 6768..6956, 6857..7039, 6884..7036, 6961..7056, 6962..7249, 6977..7258, 6978..7259, 7004..7258		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14

Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o4.ts	Method	TBLASTX:Soybean
Start	6017	End	6451
GI	none	Score	108
Exons	6017..6451, 6176..6451		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o6.tc	Method	TBLASTX:Cress
Start	6020	End	6349
GI	none	Score	82
Exons	6020..6349, 6021..6347		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o1.tw	Method	TBLASTX:Wheat
Start	6324	End	7259
GI	none	Score	34
Exons	6324..6347, 6326..6646, 6378..6647, 6674..6955, 6683..6805, 6684..6785, 6812..7045, 6977..7258, 6984..7259		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o1.tc	Method	TBLASTX:Cress
Start	6350	End	7534
GI	none	Score	98
Exons	6350..6469, 6471..6641, 6473..6640, 6473..6646, 6665..6790, 6686..7006, 6719..7249, 6779..6964, 6793..6816, 6869..7051, 6933..7259, 6971..7258, 7280..7414, 7427..7534		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o8.ts	Method	TBLASTX:Soybean
Start	6467	End	7414
GI	none	Score	52
Exons	6467..6559, 6488..6640, 6535..6624, 6542..6628, 6671..6868, 6699..6866, 6701..6868, 6818..6937, 7004..7147, 7148..7258, 7301..7414		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o2.ts	Method	TBLASTX:Soybean
Start	8043	End	9882
GI	none	Score	79
Exons	8043..8498, 8044..8226, 8254..8490, 8601..8723, 9074..9229, 9408..9533, 9427..9531, 9619..9684, 9623..9673, 9730..9819, 9730..9882		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900

Name	OJ000250_85.0214.C14.o3.tc	Method	TBLASTX:Cress
Start	8043	End	8477
GI	none	Score	171
Exons	8043..8477, 8146..8475		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o2.tm	Method	TBLASTX:Maize
Start	8085	End	12285
GI	none	Score	61
Exons	8085..8228, 8158..8217, 8235..8498, 8245..8490, 8370..8501, 8595..8723, 8966..9073, 9074..9229, 9315..9371, 9408..9533, 9423..9539, 9619..9684, 9620..9670, 9730..9828, 11979..12023, 12139..12285		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o3.tw	Method	TBLASTX:Wheat
Start	8274	End	21003
GI	none	Score	145
Exons	8274..8498, 8275..8490, 8370..8501, 8568..8723, 20941..21003		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o4.tc	Method	TBLASTX:Cress
Start	9395	End	9882
GI	none	Score	151
Exons	9395..9514, 9396..9560, 9397..9531, 9614..9757, 9619..9882, 9620..9877		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o3.tm	Method	TBLASTX:Maize
Start	20584	End	22960
GI	none	Score	162
Exons	20584..20709, 20598..20711, 20599..20712, 20850..20996, 20850..20996, 20854..20997, 20858..21010, 21066..21209, 21094..21210, 21097..21219, 21098..21217, 21646..21747, 21654..21746, 21665..21748, 22252..22383, 22253..22384, 22261..22386, 22290..22388, 22450..22515, 22452..22517, 22454..22525, 22456..22515, 22629..22706, 22631..22699, 22822..22878, 22826..22882, 22901..22960		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o2.tc	Method	TBLASTX:Cress
Start	20613	End	22867
GI	none	Score	142
Exons	20613..20711, 20614..20712, 20844..20996, 20844..20996, 20857..20997, 20858..21010, 21094..21216, 21096..21209, 21097..21219, 21098..21217, 21646..21747, 21654..21746, 22252..22383, 22253..22384, 22261..22386, 22290..22388,		

22452..22517, 22454..22513, 22454..22528, 22456..22515,
22622..22699, 22629..22706, 22826..22867

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o3.ts	Method	TBLASTX:Soybean
Start	20613	End	22875
GI	none	Score	145

Exons 20613..20711, 20614..20712, 20853..20990, 20853..20990,
20857..20997, 20858..21010, 21087..21209, 21097..21189,
21097..21219, 21098..21217, 21646..21747, 21654..21746,
22252..22383, 22253..22384, 22288..22395, 22445..22513,
22452..22517, 22455..22514, 22456..22515, 22625..22705,
22629..22706, 22631..22699, 22822..22875

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o6.gs	Method	GENSCAN
Start	23438	End	26834
GI	none	Score	.78

Exons 23438..23462, 23597..23842, 24001..24158, 24377..24581,
25397..25686, 25760..25922, 26009..26097, 26198..26265,
26672..26834

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o5.np	Method	AAT/NAP
Start	23593	End	26900
GI	5080778	Score	1243

Exons 23593..23857, 24001..24158, 24377..24581, 25397..25686,
25760..25922, 26009..26101, 26461..26538, 26656..26900

GI Descrip. (AC007576) Similar to auxin-independent growth promoter protein [Arabidopsis thaliana]

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o7.ts	Method	TBLASTX:Soybean
Start	23635	End	24050
GI	none	Score	50

Exons 23635..23859, 23643..23690, 23644..23826, 23729..23866,
23888..23920, 23997..24050

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o6.tm	Method	TBLASTX:Maize
Start	23746	End	24463
GI	none	Score	113

Exons 23746..23859, 23985..24116, 23997..24158, 23998..24159,
23998..24159, 24374..24463

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-

Start	23438	End	26900
Name	OJ000250_85.0214.C14.o7.tc	Method	TBLASTX:Cress
Start	23997	End	25689
GI	none	Score	75
Exons	23997..24146, 24405..24530, 24416..24526, 25405..25497, 25442..25492, 25510..25689, 25523..25594, 25616..25684		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o6.ts	Method	TBLASTX:Soybean
Start	24081	End	24626
GI	none	Score	69
Exons	24081..24158, 24082..24159, 24372..24446, 24374..24583, 24410..24583, 24474..24626		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o4.tm	Method	TBLASTX:Maize
Start	24473	End	26257
GI	none	Score	67
Exons	24473..24583, 25359..25499, 25396..25512, 25510..25689, 25577..25687, 25757..25798, 25835..25924, 26002..26097, 26015..26107, 26204..26257, 26204..26254		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o1.ts	Method	TBLASTX:Soybean
Start	25396	End	25931
GI	none	Score	142
Exons	25396..25689, 25397..25594, 25408..25653, 25616..25690, 25757..25810, 25757..25924, 25767..25814, 25836..25931		

Seq. No.	28305	Seq. ID	OJ000250_85.0214.C14
Gene No.	58271	Strand	-
Start	23438	End	26900
Name	OJ000250_85.0214.C14.o9.ts	Method	TBLASTX:Soybean
Start	26002	End	26263
GI	none	Score	77
Exons	26002..26097, 26015..26098, 26195..26263, 26207..26263		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58272	Strand	+
Start	2428	End	5756
Name	OJ000250_85.0214.C15.o1.np	Method	AAT/NAP
Start	2428	End	5756
GI	2344896	Score	546
Exons	2428..2449, 3964..5001, 5664..5756		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58272	Strand	+
Start	2428	End	5756
Name	OJ000250_85.0214.C15.o3.gs	Method	GENSCAN
Start	4037	End	5011

GI	none	Score	.77
Exons	4037..5011		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58273	Strand	+
Start	6610	End	7196
Name	OJ000250_85.0214.C15.o1.gp	Method	AAT/GAP
Start	6610	End	7196
GI	2443136	Score	877
Exons	6610..6662, 6784..7196		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58274	Strand	+
Start	8216	End	12331
Name	OJ000250_85.0214.C15.o2.np	Method	AAT/NAP
Start	8216	End	12331
GI	6730659	Score	1338
Exons	8216..8347, 8393..8446, 9167..9265, 10272..10524, 10971..11081, 11154..11290, 11378..11491, 11574..11773, 11860..12049, 12167..12331		
GI Descrip.	(AC007945) F28C11.9 [Arabidopsis thaliana]		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58274	Strand	+
Start	8216	End	12331
Name	OJ000250_85.0214.C15.o3.gp	Method	AAT/GAP
Start	10272	End	11188
GI	16543_1.R1084	Score	699
Exons	10272..10524, 10971..11081, 11154..11188		
GI Descrip.	'4584546/emb|CAB40776.1| 3.0e-50 (AL049608) putative protein [Arabidopsis thaliana]'		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58275	Strand	-
Start	1827	End	2480
Name	OJ000250_85.0214.C15.o1.gs	Method	GENSCAN
Start	1827	End	2480
GI	none	Score	.93
Exons	1827..2480		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58276	Strand	-
Start	3441	End	3677
Name	OJ000250_85.0214.C15.o2.gs	Method	GENSCAN
Start	3441	End	3677
GI	none	Score	.85
Exons	3441..3677		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58277	Strand	
Start	3836	End	4978
Name	OJ000250_85.0214.C15.o2.tc	Method	TBLASTX:Cress
Start	3836	End	4533
GI	none	Score	44
Exons	3836..3871, 3959..4297, 3974..4078, 4049..4234, 4064..4225, 4102..4263, 4229..4519, 4229..4306, 4232..4519, 4330..4533		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58277	Strand	
Start	3836	End	4978
Name	OJ000250_85.0214.C15.o2.tm	Method	TBLASTX:Maize
Start	3956	End	4972
GI	none	Score	66
Exons	3956..4078, 3971..4075, 4064..4258, 4064..4240, 4154..4306, 4207..4542, 4208..4531, 4229..4531, 4283..4543, 4349..4531, 4538..4633, 4663..4722, 4664..4972, 4774..4971		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58277	Strand	
Start	3836	End	4978
Name	OJ000250_85.0214.C15.o2.tw	Method	TBLASTX:Wheat
Start	4082	End	4612
GI	none	Score	122
Exons	4082..4225, 4082..4228, 4229..4324, 4351..4452, 4358..4456, 4376..4528, 4538..4612		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58277	Strand	
Start	3836	End	4978
Name	OJ000250_85.0214.C15.o2.ts	Method	TBLASTX:Soybean
Start	4154	End	4978
GI	none	Score	78
Exons	4154..4315, 4660..4977, 4661..4978		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58277	Strand	
Start	3836	End	4978
Name	OJ000250_85.0214.C15.o3.tc	Method	TBLASTX:Cress
Start	4664	End	4978
GI	none	Score	257
Exons	4664..4978, 4667..4816, 4850..4900		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58278	Strand	
Start	6772	End	7720
Name	OJ000250_85.0214.C15.o3.tm	Method	TBLASTX:Maize
Start	6772	End	7720
GI	none	Score	118
Exons	6772..6858, 6773..6859, 6773..6859, 6820..6918, 6859..6915, 7227..7382, 7227..7295, 7229..7384, 7471..7560, 7471..7551, 7640..7720		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58279	Strand	
Start	8258	End	12334
Name	OJ000250_85.0214.C15.o1.ts	Method	TBLASTX:Soybean
Start	8258	End	12004
GI	none	Score	55
Exons	8258..8323, 8402..8449, 9164..9265, 9164..9265, 9166..9270, 10266..10493, 10277..10435, 10433..10522, 10434..10523, 10969..11085, 10970..11083, 11149..11283, 11153..11290, 11153..11284, 11375..11491, 11376..11537, 11380..11490, 11577..11771, 11586..11774, 11857..11967, 11858..12004		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58279	Strand	
Start	8258	End	12334
Name	OJ000250_85.0214.C15.o1.tc	Method	TBLASTX:Cress
Start	8402	End	11989
GI	none	Score	70
Exons	8402..8449, 9164..9268, 10254..10523, 10268..10504, 10350..10523, 10969..11040, 10970..11083, 11149..11268, 11153..11293, 11153..11284, 11357..11500, 11390..11485, 11577..11771, 11882..11989		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58279	Strand	
Start	8258	End	12334
Name	OJ000250_85.0214.C15.o1.tm	Method	TBLASTX:Maize
Start	10329	End	12334
GI	none	Score	255
Exons	10329..10523, 10331..10522, 10969..11085, 10970..11083, 11149..11313, 11153..11293, 11375..11491, 11377..11490, 11577..11771, 11636..11725, 11855..12001, 11858..12001, 12170..12334		

Seq. No.	28306	Seq. ID	OJ000250_85.0214.C15
Gene No.	58279	Strand	
Start	8258	End	12334
Name	OJ000250_85.0214.C15.o1.tw	Method	TBLASTX:Wheat
Start	11423	End	11995
GI	none	Score	76
Exons	11423..11491, 11571..11768, 11577..11813, 11852..11995, 11875..11946		

Seq. No.	28307	Seq. ID	OJ000250_85.0214.C18
Gene No.	58280	Strand	-
Start	321	End	419
Name	OJ000250_85.0214.C18.o1.gs	Method	GENSCAN
Start	321	End	419
GI	none	Score	.9
Exons	321..419		

Seq. No.	28308	Seq. ID	OJ000250_85.0214.C19
Gene No.	58281	Strand	-
Start	32	End	321
Name	OJ000250_85.0214.C19.o1.gp	Method	AAT/GAP
Start	32	End	321
GI	none	Score	534
Exons	32..321		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58282	Strand	+
Start	12353	End	12807
Name	OJ000250_84.0214.C1.o2.gp	Method	AAT/GAP
Start	12353	End	12807
GI	none	Score	894
Exons	12353..12807		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58283	Strand	+

Start	18395	End	18832
Name	OJ000250_84.0214.C1.o4.gp	Method	AAT/GAP
Start	18395	End	18832
GI	uC-osflcyp087a02a1	Score	814
Exons	18395..18832		
GI Descrip.	'3582333 7.0e-40 (AC005496) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58284	Strand	+
Start	26566	End	27027
Name	OJ000250_84.0214.C1.o3.gs	Method	GENSCAN
Start	26566	End	27027
GI	none	Score	.95
Exons	26566..27027		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58285	Strand	+
Start	32475	End	33010
Name	OJ000250_84.0214.C1.o12.gp	Method	AAT/GAP
Start	32475	End	33010
GI	uC-osrocyp028g09a1	Score	1036
Exons	32475..33010		
GI Descrip.	'3386604 9.0e-09 (AC004665) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58286	Strand	+
Start	37732	End	38095
Name	OJ000250_84.0214.C1.o14.gp	Method	AAT/GAP
Start	37732	End	38095
GI	none	Score	724
Exons	37732..38095		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58287	Strand	+
Start	46761	End	49891
Name	OJ000250_84.0214.C1.o16.gp	Method	AAT/GAP
Start	46590	End	49440
GI	2428738	Score	667
Exons	46590..46796, 49281..49440		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58287	Strand	+
Start	46761	End	49891
Name	OJ000250_84.0214.C1.o6.gs	Method	GENSCAN
Start	46761	End	47986
GI	none	Score	.99
Exons	46761..46796, 47561..47780, 47844..47986		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58287	Strand	+
Start	46761	End	49891
Name	OJ000250_84.0214.C1.o9.np	Method	AAT/NAP
Start	47613	End	49891
GI	6069646	Score	81
Exons	47613..47904, 49829..49891		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58288	Strand	-
Start	3200	End	4993
Name	OJ000250_84.0214.C1.o1.gs	Method	GENSCAN
Start	3200	End	4993
GI	none	Score	.43
Exons	3200..3336, 4708..4993		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o2.gs	Method	GENSCAN
Start	6981	End	25338
GI	none	Score	.75
Exons	6981..7613, 7681..7782, 8248..8394, 8867..8962, 9050..9234, 9852..10031, 10325..10513, 10608..10853, 10984..11148, 13518..13683, 13925..14231, 14319..15125, 15604..15716, 15814..15986, 16064..16249, 16399..16469, 17028..17072, 19158..19198, 19768..19905, 20080..20205, 20413..20628, 20998..21153, 21251..21358, 21492..22030, 22436..22500, 22722..22975, 23859..23905, 24252..24336, 25043..25121, 25220..25338		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o1.gp	Method	AAT/GAP
Start	7182	End	7629
GI	none	Score	844
Exons	7182..7629		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o2.np	Method	AAT/NAP
Start	7526	End	10454
GI	2642156	Score	158
Exons	7526..7613, 8248..8406, 8448..8487, 8867..8962, 9050..9254, 9880..10019, 10319..10454		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o3.np	Method	AAT/NAP
Start	12694	End	15817
GI	4982495	Score	179
Exons	12694..12814, 12952..13013, 13555..13683, 15785..15817		
GI Descrip.	(AC000107) F17F8.1 [Arabidopsis thaliana]		

Seq. No. 28309 Seq. ID OJ000250_84.0214.C1

Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o3.gp	Method	AAT/GAP
Start	13619	End	14367
GI	none	Score	992
Exons	13619..13683, 13925..14367		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o5.gp	Method	AAT/GAP
Start	18613	End	19183
GI	2800097	Score	640
Exons	18613..19002, 19158..19183		
GI Descrip.	2252847 5.0e-20 (AF013293) No definition line found [Arabidopsis thaliana] >gi_6049889_gb_AAF02804.1_AF195115_24 (AF195115) weak similarity to phthalate permease family [Arabidopsis thaliana]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o6.gp	Method	AAT/GAP
Start	18722	End	19232
GI	2800097	Score	571
Exons	18722..19002, 19158..19232		
GI Descrip.	2252847 5.0e-20 (AF013293) No definition line found [Arabidopsis thaliana] >gi_6049889_gb_AAF02804.1_AF195115_24 (AF195115) weak similarity to phthalate permease family [Arabidopsis thaliana]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o4.np	Method	AAT/NAP
Start	18908	End	23295
GI	6498428	Score	1567
Exons	18908..19003, 19158..19241, 19390..19455, 19563..19664, 19768..19905, 19996..20205, 20413..20628, 20998..21153, 21251..21358, 21492..21564, 23261..23295		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana chromosome II BAC T27A16 sequence; hypothetical protein. (AC005496) [Oryza sativa]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o7.gp	Method	AAT/GAP
Start	19425	End	20031
GI	2800235	Score	471
Exons	19425..19455, 19563..19664, 19768..19905, 19996..20031		
GI Descrip.	3582333 7.0e-40 (AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o8.gp	Method	AAT/GAP
Start	21225	End	22415
GI	10390_1.R1084	Score	1394

Exons	21225..21358, 21492..22030, 22327..22415		
GI Descrip.	'2252847 4.0e-31 (AF013293) No definition line found [Arabidopsis thaliana] >gi_6049889_gb_AAF02804.1_AF195115_24 (AF195115) weak similarity to phthalate permease family [Arabidopsis thaliana]'		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o9.gp	Method	AAT/GAP
Start	22969	End	25390
GI	31010_1.R1084	Score	1314
Exons	22969..23327, 23859..23905, 24252..24336, 25043..25121, 25220..25390		
GI Descrip.	'629592/pir||S42651 1.0e-47 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]'		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o5.np	Method	AAT/NAP
Start	23144	End	26946
GI	3451068	Score	757
Exons	23144..23327, 25043..25121, 25220..25373, 25677..25807, 26609..26946		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58289	Strand	-
Start	6981	End	27047
Name	OJ000250_84.0214.C1.o10.gp	Method	AAT/GAP
Start	25667	End	27047
GI	31959_1.R1084	Score	1002
Exons	25667..25756, 26609..27047		
GI Descrip.	'3451068/emb|CAA20464.1| 3.0e-43 (AL031326) putative protein [Arabidopsis thaliana]'		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58290	Strand	-
Start	28040	End	36571
Name	OJ000250_84.0214.C1.o4.gs	Method	GENSCAN
Start	28040	End	36324
GI	none	Score	.65
Exons	28040..28137, 28214..29121, 29242..29348, 29406..29612, 29698..29802, 29894..29947, 30298..30342, 30557..30747, 30876..31003, 32823..33457, 33561..33893, 34065..34214, 34529..34591, 34699..34852, 35107..35201, 35631..35752, 36183..36324		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58290	Strand	-
Start	28040	End	36571
Name	OJ000250_84.0214.C1.o11.gp	Method	AAT/GAP
Start	29051	End	30344
GI	11896_1.R1084	Score	989
Exons	29051..29121, 29242..29327, 29406..29612, 29698..29802,		

	29894..29947, 30298..30344		
GI Descrip.	'2980789/emb|CAA18165.1| 6.0e-42 (AL022197) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58290	Strand	-
Start	28040	End	36571
Name	OJ000250_84.0214.C1.o6.np	Method	AAT/NAP
Start	32688	End	35648
GI	5295966	Score	500
Exons	32688..33457, 33561..33676, 35589..35648		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58290	Strand	-
Start	28040	End	36571
Name	OJ000250_84.0214.C1.o13.gp	Method	AAT/GAP
Start	35131	End	36571
GI	uC-osrocyp028g09b1	Score	807
Exons	35131..35201, 35631..35752, 36183..36352, 36480..36571		
GI Descrip.	'3386604 2.0e-11 (AC004665) putative protein kinase [Arabidopsis thaliana]'		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58291	Strand	-
Start	38170	End	42646
Name	OJ000250_84.0214.C1.o5.gs	Method	GENSCAN
Start	38170	End	42581
GI	none	Score	.92
Exons	38170..38358, 38934..39701, 39819..40286, 40529..40669, 40949..41138, 41253..41360, 41658..41779, 41927..42115, 42501..42581		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58291	Strand	-
Start	38170	End	42646
Name	OJ000250_84.0214.C1.o7.np	Method	AAT/NAP
Start	38176	End	42646
GI	3386604	Score	1155
Exons	38176..38358, 38934..39701, 39819..40286, 40529..40606, 40816..41134, 41624..41779, 41927..42048, 42389..42646		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58291	Strand	-
Start	38170	End	42646
Name	OJ000250_84.0214.C1.o8.np	Method	AAT/NAP
Start	40246	End	42551
GI	6850832	Score	172
Exons	40246..40273, 41249..41353, 41658..41779, 41927..42048, 42389..42551		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		
Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58291	Strand	-
Start	38170	End	42646

Name	OJ000250_84.0214.C1.o15.gp	Method	AAT/GAP
Start	40256	End	41761
GI	none	Score	1058
Exons	40256..40286, 40529..40669, 40949..41138, 41249..41353, 41658..41761		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o16.tm	Method	TBLASTX:Maize
Start	3205	End	3474
GI	none	Score	76
Exons	3205..3474, 3326..3472		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o1.tw	Method	TBLASTX:Wheat
Start	3552	End	3913
GI	none	Score	94
Exons	3552..3611, 3614..3781, 3614..3913, 3624..3794		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o8.tm	Method	TBLASTX:Maize
Start	3644	End	4111
GI	none	Score	52
Exons	3644..3712, 3669..3725, 3743..3952, 3755..3811, 3917..4111, 3934..4110		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o2.tm	Method	TBLASTX:Maize
Start	4318	End	47695
GI	none	Score	38
Exons	4318..4350, 4419..4592, 4445..4798, 4454..5110, 4653..5030, 4907..5092, 5064..5111, 47612..47695		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o3.tw	Method	TBLASTX:Wheat
Start	4643	End	4982
GI	none	Score	88
Exons	4643..4795, 4800..4982, 4805..4981		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o7.tm	Method	TBLASTX:Maize
Start	7440	End	9118
GI	none	Score	166
Exons	7440..7613, 7440..7613, 7441..7614, 7667..7765, 7690..7761, 8239..8361, 8246..8356, 8247..8357, 8443..8502, 8444..8500, 8470..8502, 8571..8636, 8582..8617, 8857..8952, 8862..8963,		

8864..8983, 8865..8963, 9039..9116, 9045..9116, 9047..9118

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o13.tm	Method	TBLASTX:Maize
Start	9185	End	10560
GI	none	Score	78
Exons	9185..9235, 9185..9250, 9848..10039, 9851..10030, 9852..10031, 9853..10032, 10311..10463, 10312..10560, 10349..10519		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o7.tc	Method	TBLASTX:Cress
Start	12697	End	13684
GI	none	Score	126
Exons	12697..12825, 12713..12829, 12910..13056, 12951..13055, 12956..13066, 13516..13680, 13516..13683, 13529..13684		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o7.ts	Method	TBLASTX:Soybean
Start	12697	End	13684
GI	none	Score	125
Exons	12697..12825, 12698..12829, 12938..13021, 12949..13035, 12951..13043, 13516..13677, 13517..13684		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o11.tm	Method	TBLASTX:Maize
Start	12761	End	13686
GI	none	Score	100
Exons	12761..12817, 12763..12825, 12916..13080, 12925..13032, 12951..13064, 13516..13686, 13517..13684		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o4.tm	Method	TBLASTX:Maize
Start	14105	End	14707
GI	none	Score	175
Exons	14105..14236, 14105..14233, 14318..14542, 14320..14523, 14429..14536, 14429..14533, 14591..14707		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o8.ts	Method	TBLASTX:Soybean
Start	14105	End	14448
GI	none	Score	121
Exons	14105..14230, 14127..14231, 14321..14395, 14344..14448		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-

Start	48776	End	49934
Name	OJ000250_84.0214.C1.o1.ts	Method	TBLASTX:Soybean
Start	18903	End	20163
GI	none	Score	105
Exons	18903..19004, 18905..19003, 19161..19241, 19165..19242, 19390..19458, 19397..19456, 19554..19667, 19563..19664, 19564..19671, 19753..19887, 19769..19903, 19888..19908, 19889..19912, 19930..19962, 19981..20091, 19990..20091, 19991..20110, 19995..20096, 19997..20110, 20086..20163		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o12.tm	Method	TBLASTX:Maize
Start	19435	End	19837
GI	none	Score	38
Exons	19435..19455, 19436..19456, 19548..19673, 19566..19664, 19753..19836, 19769..19837		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o1.tc	Method	TBLASTX:Cress
Start	19581	End	20205
GI	none	Score	70
Exons	19581..19664, 19585..19671, 19753..19908, 19769..19906, 19990..20205, 20009..20128		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o6.tm	Method	TBLASTX:Maize
Start	19856	End	20547
GI	none	Score	51
Exons	19856..19903, 19861..19908, 19984..20205, 20000..20161, 20411..20545, 20413..20547, 20417..20545		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o4.ts	Method	TBLASTX:Soybean
Start	20413	End	21054
GI	none	Score	268
Exons	20413..20628, 20414..20629, 20430..20633, 20974..21054		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o3.tc	Method	TBLASTX:Cress
Start	20417	End	20599
GI	none	Score	210
Exons	20417..20590, 20422..20598, 20426..20599		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o3.tm	Method	TBLASTX:Maize

Start	20548	End	21941
GI	none	Score	85
Exons	20548..20631, 20549..20629, 20993..21154, 20997..21155, 20998..21156, 20998..21156, 21238..21342, 21248..21361, 21252..21362, 21255..21359, 21256..21363, 21486..21803, 21487..21798, 21495..21803, 21804..21920, 21807..21941		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o5.tc	Method	TBLASTX:Cress
Start	20998	End	21304
GI	none	Score	70
Exons	20998..21156, 20998..21156, 20999..21157, 21248..21304, 21255..21302		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o15.tm	Method	TBLASTX:Maize
Start	23169	End	23335
GI	none	Score	156
Exons	23169..23333, 23172..23330, 23173..23334, 23195..23335		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o9.ts	Method	TBLASTX:Soybean
Start	23178	End	23333
GI	5677940	Score	73
Exons	23178..23315, 23178..23333, 23185..23331		
GI Descrip.	3451067/emb_CAA20463.1_ 2.0e-17 (AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o5.tm	Method	TBLASTX:Maize
Start	23859	End	26970
GI	none	Score	68
Exons	23859..23906, 23859..23906, 23860..23910, 24254..24337, 24254..24328, 25032..25112, 25043..25120, 25043..25120, 25047..25121, 25162..25374, 25217..25345, 25236..25352, 25675..25755, 25676..25762, 25676..25756, 26608..26970, 26609..26656, 26750..26956		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o3.ts	Method	TBLASTX:Soybean
Start	25315	End	26979
GI	none	Score	70
Exons	25315..25374, 25675..25755, 25676..25762, 26608..26979, 26750..26938		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-

Start	48776	End	49934
Name	OJ000250_84.0214.C1.o2.tc	Method	TBLASTX:Cress
Start	25675	End	26926
GI	none	Score	89
Exons	25675..25755, 25676..25762, 26608..26925, 26768..26926		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o9.tm	Method	TBLASTX:Maize
Start	28213	End	28887
GI	none	Score	124
Exons	28213..28326, 28214..28321, 28214..28342, 28376..28435, 28503..28574, 28504..28572, 28593..28751, 28594..28752, 28595..28750, 28741..28887, 28752..28886		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o10.tm	Method	TBLASTX:Maize
Start	28917	End	29532
GI	none	Score	114
Exons	28917..29123, 29236..29322, 29237..29326, 29241..29339, 29241..29327, 29403..29531, 29404..29532		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o5.ts	Method	TBLASTX:Soybean
Start	29040	End	29799
GI	none	Score	96
Exons	29040..29123, 29241..29327, 29244..29318, 29400..29501, 29404..29502, 29523..29612, 29722..29799		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o17.tm	Method	TBLASTX:Maize
Start	29535	End	29938
GI	none	Score	49
Exons	29535..29585, 29538..29582, 29696..29803, 29696..29803, 29697..29807, 29698..29805, 29892..29930, 29909..29938		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o4.tw	Method	TBLASTX:Wheat
Start	29893	End	30692
GI	none	Score	63
Exons	29893..29949, 30292..30342, 30300..30344, 30301..30357, 30557..30691, 30612..30692		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o1.tm	Method	TBLASTX:Maize
Start	32822	End	49933

GI	none	Score	132
Exons	32822..33124, 32892..33125, 33161..33331, 33162..33329, 33341..33460, 33342..33443, 38940..38978, 39033..39704, 39034..39702, 49268..49294, 49272..49301, 49325..49933, 49326..49634, 49689..49919		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o2.ts	Method	TBLASTX:Soybean
Start	32822	End	49862
GI	none	Score	82
Exons	32822..33109, 32901..33152, 33140..33337, 38188..38364, 38189..38359, 38934..38966, 39033..39572, 39097..39564, 48788..48970, 48788..48973, 48807..48974, 49265..49297, 49358..49855, 49362..49457, 49488..49631, 49743..49862		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o4.tc	Method	TBLASTX:Cress
Start	33020	End	49921
GI	none	Score	65
Exons	33020..33109, 33155..33325, 33633..33728, 39231..39338, 39363..39629, 39651..39704, 39810..39878, 39864..39971, 49523..49636, 49524..49637, 49667..49921		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o2.tw	Method	TBLASTX:Wheat
Start	33170	End	49934
GI	none	Score	63
Exons	33170..33325, 33198..33323, 33347..33433, 33348..33434, 39405..39677, 39406..39678, 49697..49933, 49737..49934		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o6.ts	Method	TBLASTX:Soybean
Start	33341	End	39983
GI	none	Score	88
Exons	33341..33460, 33342..33458, 33552..33731, 33559..33723, 39585..39704, 39586..39702, 39796..39885, 39810..39983		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o14.tm	Method	TBLASTX:Maize
Start	33558	End	33744
GI	none	Score	179
Exons	33558..33743, 33559..33744, 33559..33744		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o6.tc	Method	TBLASTX:Cress

Start	38185	End	48950
GI	none	Score	122
Exons	38185..38337, 38185..38343, 38186..38344, 48797..48949, 48798..48950		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o7.gs	Method	GENSCAN
Start	48776	End	49840
GI	none	Score	.99
Exons	48776..48964, 49265..49840		

Seq. No.	28309	Seq. ID	OJ000250_84.0214.C1
Gene No.	58292	Strand	-
Start	48776	End	49934
Name	OJ000250_84.0214.C1.o10.np	Method	AAT/NAP
Start	48782	End	49934
GI	3386604	Score	642
Exons	48782..48983, 49243..49934		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	28310	Seq. ID	OJ000250_84.0214.C2
Gene No.	58293	Strand	+
Start	6194	End	6749
Name	OJ000250_84.0214.C2.o2.gs	Method	GENSCAN
Start	6194	End	6749
GI	none	Score	.44
Exons	6194..6203, 6356..6560, 6734..6749		

Seq. No.	28310	Seq. ID	OJ000250_84.0214.C2
Gene No.	58294	Strand	-
Start	1	End	8607
Name	OJ000250_84.0214.C2.o2.np	Method	AAT/NAP
Start	1	End	3158
GI	6850832	Score	120
Exons	1..29, 1441..1546, 1942..2063, 2354..2542, 3055..3158		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	28310	Seq. ID	OJ000250_84.0214.C2
Gene No.	58294	Strand	-
Start	1	End	8607
Name	OJ000250_84.0214.C2.o3.np	Method	AAT/NAP
Start	1	End	8607
GI	3063699	Score	90
Exons	1..174, 8531..8607		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	28310	Seq. ID	OJ000250_84.0214.C2
Gene No.	58294	Strand	-
Start	1	End	8607
Name	OJ000250_84.0214.C2.o1.gs	Method	GENSCAN
Start	7	End	3302
GI	none	Score	.82
Exons	7..477, 934..1126, 1442..1546, 1951..2063, 2351..2475, 2975..3302		

Seq. No.	28310	Seq. ID	OJ000250_84.0214.C2
Gene No.	58294	Strand	-
Start	1	End	8607
Name	OJ000250_84.0214.C2.o3.gs	Method	GENSCAN
Start	7189	End	7726
GI	none	Score	.57
Exons	7189..7726		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58295	Strand	+
Start	1169	End	10276
Name	OJ000250_84.0214.C3.o1.gs	Method	GENSCAN
Start	1169	End	10256
GI	none	Score	.86
Exons	1169..1299, 1620..1663, 3021..3081, 3464..3788, 5117..5217, 5491..5606, 5986..6080, 6165..6316, 6684..6741, 6804..6911, 7284..7536, 7629..7810, 7993..8088, 8184..8282, 8567..8698, 8909..8953, 10182..10256		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58295	Strand	+
Start	1169	End	10276
Name	OJ000250_84.0214.C3.o2.np	Method	AAT/NAP
Start	3751	End	10276
GI	1706103	Score	748
Exons	3751..3899, 4865..5033, 5117..5213, 5283..5409, 5491..5606, 5986..6110, 6186..6316, 6749..6911, 7284..7536, 7640..7798, 7993..8088, 8184..8282, 8567..8776, 9219..9369, 9679..9834, 10182..10276		
GI Descrip.	CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT (CPSF 100 KD SUBUNIT) gi|1363022|pir||A56351 cleavage and polyadenylation specificity factor 100K chain - bovine gi|599683|emb|CAA53535| (X75931) Cleavage and Polyadenylation specificity factor (CPSF) 100kD subunit [Bos taurus]		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58296	Strand	-
Start	2391	End	3370
Name	OJ000250_84.0214.C3.o1.np	Method	AAT/NAP
Start	2391	End	3370
GI	2832645	Score	129
Exons	2391..2636, 3245..3370		
GI Descrip.	(AL021710) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58297	Strand	
Start	3741	End	6732
Name	OJ000250_84.0214.C3.o1.tc	Method	TBLASTX:Cress
Start	3741	End	5590
GI	none	Score	205
Exons	3741..3920, 3745..3921, 4854..4952, 4863..5033, 4865..5026, 5114..5218, 5116..5199, 5248..5409, 5270..5410, 5303..5410, 5305..5427, 5481..5558, 5488..5589, 5489..5590		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58297	Strand	
Start	3741	End	6732

Name	OJ000250_84.0214.C3.o3.tm	Method	TBLASTX:Maize
Start	3748	End	4965
GI	none	Score	269
Exons	3748..3921, 3750..3920, 4863..4964, 4865..4963, 4866..4964, 4867..4965		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58297	Strand	
Start	3741	End	6732
Name	OJ000250_84.0214.C3.o2.tm	Method	TBLASTX:Maize
Start	5285	End	6732
GI	none	Score	48
Exons	5285..5317, 5285..5317, 5287..5319, 5307..5408, 5314..5409, 5315..5410, 5488..5604, 5489..5605, 5490..5615, 5984..6076, 5985..6077, 5991..6077, 6112..6258, 6165..6284, 6165..6257, 6246..6317, 6269..6322, 6688..6732		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58297	Strand	
Start	3741	End	6732
Name	OJ000250_84.0214.C3.o2.ts	Method	TBLASTX:Soybean
Start	5984	End	6322
GI	none	Score	101
Exons	5984..6076, 5985..6077, 6126..6320, 6137..6322		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58298	Strand	
Start	6801	End	7520
Name	OJ000250_84.0214.C3.o2.tc	Method	TBLASTX:Cress
Start	6801	End	7520
GI	none	Score	127
Exons	6801..6911, 6803..6907, 7280..7369, 7281..7520		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58299	Strand	
Start	7422	End	10256
Name	OJ000250_84.0214.C3.o1.ts	Method	TBLASTX:Soybean
Start	7422	End	9831
GI	none	Score	84
Exons	7422..7529, 7476..7529, 7628..7807, 7630..7806, 7999..8115, 8183..8284, 8184..8285, 8563..8700, 8566..8700, 8567..8734, 8903..8956, 9667..9759, 9718..9831, 9726..9827		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58299	Strand	
Start	7422	End	10256
Name	OJ000250_84.0214.C3.o1.tm	Method	TBLASTX:Maize
Start	7458	End	8061
GI	none	Score	93
Exons	7458..7535, 7469..7522, 7629..7751, 7633..7806, 7634..7807, 7635..7811, 7993..8061		

Seq. No.	28311	Seq. ID	OJ000250_84.0214.C3
Gene No.	58299	Strand	
Start	7422	End	10256
Name	OJ000250_84.0214.C3.o3.tc	Method	TBLASTX:Cress
Start	8196	End	10256

GI	none	Score	128
Exons	8196..8285, 8198..8284, 8566..8730, 8567..8734, 8903..8956, 9720..9827, 9721..9843, 10176..10199, 10193..10255, 10194..10256		

Seq. No.	28312	Seq. ID	OJ000250_84.0214.C4
Gene No.	58300	Strand	+
Start	1	End	221
Name	OJ000250_84.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	221
GI	3386606	Score	190
Exons	1..221		
GI Descrip.	(AC004665) putative beta-amylase [Arabidopsis thaliana]		

Seq. No.	28312	Seq. ID	OJ000250_84.0214.C4
Gene No.	58301	Strand	-
Start	51	End	564
Name	OJ000250_84.0214.C4.o1.gs	Method	GENSCAN
Start	51	End	564
GI	none	Score	.67
Exons	51..327, 547..564		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58302	Strand	+
Start	139	End	5352
Name	OJ000250_84.0214.C6.o2.np	Method	AAT/NAP
Start	139	End	5105
GI	3023946	Score	535
Exons	139..531, 679..930, 1055..1262, 1311..1452, 1541..1770, 1815..2024, 5013..5105		
GI Descrip.	HIRA PROTEIN (TUP1 LIKE ENHANCER OF SPLIT PROTEIN 1) gi|2352031 (U94324) Tuple1/HirA [Fugu rubripes] gi|2352036 (U94325) Tuple1/HirA [Fugu rubripes]		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58302	Strand	+
Start	139	End	5352
Name	OJ000250_84.0214.C6.o1.gs	Method	GENSCAN
Start	256	End	4137
GI	none	Score	.68
Exons	256..531, 679..930, 1130..1452, 1541..1762, 1831..2114, 2346..2533, 2711..2921, 3027..3261, 3386..3508, 3702..3822, 3928..4137		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58302	Strand	+
Start	139	End	5352
Name	OJ000250_84.0214.C6.o1.np	Method	AAT/NAP
Start	268	End	5352
GI	2135190	Score	571
Exons	268..531, 679..930, 1055..1274, 1323..1452, 1541..1796, 1877..2086, 5332..5352		
GI Descrip.	gene HIRAHs protein - human gi|840774|emb|CAA54721| (X77633) HIRAHs [Homo sapiens]		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58302	Strand	+
Start	139	End	5352

Name	OJ000250_84.0214.C6.o2.gp	Method	AAT/GAP
Start	3021	End	3488
GI	3768300	Score	614
Exons	3021..3261, 3386..3488		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58303	Strand	+
Start	10370	End	10532
Name	OJ000250_84.0214.C6.o6.gp	Method	AAT/GAP
Start	10370	End	10532
GI	15361_2.R1084	Score	238
Exons	10370..10532		
GI Descrip.	'4510346/gb|AAD21435.1| 5.0e-12 (AC006921) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58304	Strand	+
Start	15739	End	15813
Name	OJ000250_84.0214.C6.o9.gp	Method	AAT/GAP
Start	15739	End	15813
GI	none	Score	138
Exons	15739..15813		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58305	Strand	-
Start	251	End	754
Name	OJ000250_84.0214.C6.o1.gp	Method	AAT/GAP
Start	251	End	754
GI	uC-osrocyp004g12a1	Score	619
Exons	251..529, 678..754		
GI Descrip.	'1708202/sp|P54198|HIRA_HUMAN 2.0e-31 HIRA PROTEIN (TUP1 LIKE ENHANCER OF SPLIT PROTEIN 1) >gi_2135189_pir__I37465 gene HIRA protein - human >gi_2135348_pir__S58177 HIRA protein - human >gi_927419_emb_CAA61979_ (X89887) HIRA [Homo sapiens] >gi_1017419_emb_CAA57436_ (X81844) HIRA [Homo sapiens] >gi_1589055_prf__2210253A HIRA protein [Mus musculus]'		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58306	Strand	-
Start	4089	End	4470
Name	OJ000250_84.0214.C6.o3.gp	Method	AAT/GAP
Start	4089	End	4470
GI	none	Score	740
Exons	4089..4470		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58307	Strand	-
Start	4633	End	9176
Name	OJ000250_84.0214.C6.o4.gp	Method	AAT/GAP
Start	4633	End	5157
GI	5667612	Score	998
Exons	4633..5157		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58307	Strand	-
Start	4633	End	9176
Name	OJ000250_84.0214.C6.o2.gs	Method	GENSCAN

Start	4879	End	8390
GI	none	Score	.78
Exons	4879..5391, 5475..5737, 7897..8172, 8294..8390		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58307	Strand	-
Start	4633	End	9176
Name	OJ000250_84.0214.C6.o5.gp	Method	AAT/GAP
Start	5357	End	8087
GI	62655_1.R1084	Score	799
Exons	5357..5391, 5475..5737, 7897..8087		
GI Descrip.	'4678342/emb|CAB41152.1| 6.0e-13 (AL049659) lipase-like protein [Arabidopsis thaliana]'		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58307	Strand	-
Start	4633	End	9176
Name	OJ000250_84.0214.C6.o3.np	Method	AAT/NAP
Start	6048	End	9176
GI	6681326	Score	109
Exons	6048..6068, 7889..8053, 9068..9176		
GI Descrip.	(AC015985) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o3.tm	Method	TBLASTX:Maize
Start	2117	End	2402
GI	none	Score	317
Exons	2117..2389, 2117..2389, 2118..2390, 2119..2397, 2155..2397, 2169..2402		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	2320	End	2799
GI	none	Score	353
Exons	2320..2535, 2321..2536, 2323..2538, 2705..2797, 2707..2799, 2710..2799		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	2405	End	4062
GI	none	Score	200
Exons	2405..2536, 2407..2538, 2410..2535, 2705..2977, 2708..2902, 2710..2922, 3025..3261, 3025..3261, 3026..3262, 3379..3522, 3383..3523, 3384..3509, 3663..3827, 3692..3769, 3700..3822, 3701..3877, 3919..4050, 3927..4061, 3928..4062		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o2.ts	Method	TBLASTX:Soybean
Start	3426	End	4062

GI	none	Score	112
Exons	3426..3509, 3431..3523, 3653..3769, 3666..3794, 3700..3783, 3780..3818, 3924..4019, 3927..4061, 3928..4062, 3928..4062		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o5.tm	Method	TBLASTX:Maize
Start	5048	End	5250
GI	none	Score	55
Exons	5048..5104, 5050..5103, 5087..5248, 5095..5250		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o4.np	Method	AAT/NAP
Start	10395	End	13096
GI	4510346	Score	768
Exons	10395..10431, 11122..11468, 11582..11665, 12003..12107, 12212..12397, 12825..12884, 12989..13096		
GI Descrip.	(AC006921) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o7.gp	Method	AAT/GAP
Start	10711	End	11005
GI	3769002	Score	531
Exons	10711..11005		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o3.gs	Method	GENSCAN
Start	10907	End	14985
GI	none	Score	.72
Exons	10907..11018, 11122..11257, 11569..11665, 12075..12107, 12212..12397, 12825..12884, 13058..13415, 13788..13861, 14682..14704, 14934..14985		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	10917	End	12325
GI	none	Score	126
Exons	10917..11033, 10922..11020, 10927..11034, 10992..11033, 11068..11253, 11119..11226, 11121..11255, 11355..11456, 11356..11457, 11358..11459, 11372..11458, 11568..11639, 11570..11665, 11571..11666, 12000..12116, 12003..12107, 12004..12108, 12204..12323, 12212..12325, 12212..12322		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	10922	End	13235

GI	none	Score	84
Exons	10922..11029, 10923..11030, 11122..11253, 11124..11255, 11346..11465, 11347..11487, 11568..11663, 11570..11665, 11580..11666, 12000..12116, 12003..12095, 12007..12108, 12201..12299, 12212..12340, 12324..12404, 12326..12403, 12339..12416, 12802..12885, 12825..12884, 12984..13106, 12992..13105, 13203..13235		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	11570	End	12376
GI	none	Score	67
Exons	11570..11665, 11589..11657, 12000..12116, 12007..12096, 12200..12328, 12213..12308, 12324..12374, 12326..12376		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o4.tm	Method	TBLASTX:Maize
Start	12326	End	13256
GI	none	Score	87
Exons	12326..12403, 12327..12398, 12329..12436, 12802..12885, 12805..12885, 12806..12886, 12807..12890, 12990..13106, 12992..13105, 13002..13133, 13200..13256, 13203..13238		

Seq. No.	28313	Seq. ID	OJ000250_84.0214.C6
Gene No.	58308	Strand	-
Start	10907	End	14985
Name	OJ000250_84.0214.C6.o8.gp	Method	AAT/GAP
Start	12837	End	13271
GI	568987	Score	407
Exons	12837..12884, 12989..13104, 13201..13271		
GI Descrip.	4510346/gb|AAD21435.1| 5.0e-12 (AC006921) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28314	Seq. ID	OJ000250_84.0214.C7
Gene No.	58309	Strand	+
Start	378	End	868
Name	OJ000250_84.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	371	End	557
GI	none	Score	237
Exons	371..556, 378..557		

Seq. No.	28314	Seq. ID	OJ000250_84.0214.C7
Gene No.	58309	Strand	+
Start	378	End	868
Name	OJ000250_84.0214.C7.o1.gs	Method	GENSCAN
Start	378	End	817
GI	none	Score	.96
Exons	378..817		

Seq. No.	28314	Seq. ID	OJ000250_84.0214.C7
Gene No.	58309	Strand	+
Start	378	End	868
Name	OJ000250_84.0214.C7.o1.np	Method	AAT/NAP

Start	378	End	868
GI	3047111	Score	486
Exons	378..868		
GI Descrip.	(AF058919) No definition line found [Arabidopsis thaliana]		

Seq. No.	28314	Seq. ID	OJ000250_84.0214.C7
Gene No.	58309	Strand	+
Start	378	End	868
Name	OJ000250_84.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	402	End	749
GI	none	Score	205
Exons	402..557, 405..449, 473..556, 591..749		

Seq. No.	28314	Seq. ID	OJ000250_84.0214.C7
Gene No.	58309	Strand	+
Start	378	End	868
Name	OJ000250_84.0214.C7.o1.gp	Method	AAT/GAP
Start	699	End	868
GI	LIB3474-009-P1-K1-G7	Score	312
Exons	699..868		
GI Descrip.	'3047111 1.0e-27 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58310	Strand	+
Start	140	End	2088
Name	OJ000250_84.0214.C8.o1.np	Method	AAT/NAP
Start	140	End	2088
GI	6522561	Score	541
Exons	140..198, 893..1020, 1479..1614, 1780..2088		
GI Descrip.	(AL132967) calmodulin-binding heat-shock-like protein [Arabidopsis thaliana]		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58310	Strand	+
Start	140	End	2088
Name	OJ000250_84.0214.C8.o1.gp	Method	AAT/GAP
Start	928	End	1935
GI	LIB3434-042-P1-K1-A6	Score	705
Exons	928..1020, 1479..1614, 1780..1935		
GI Descrip.	'1087073/bbs|169916 2.0e-34 (S79243) calmodulin-binding heat-shock protein, CaMBP [Nicotiana tabacum=tobacco, Wisconsin-38, Peptide, 449 aa] [Nicotiana tabacum]'		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58310	Strand	+
Start	140	End	2088
Name	OJ000250_84.0214.C8.o1.gs	Method	GENSCAN
Start	1013	End	2088
GI	none	Score	.98
Exons	1013..1020, 1479..1614, 1780..2088		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58311	Strand	+
Start	15961	End	17349
Name	OJ000250_84.0214.C8.o8.gp	Method	AAT/GAP
Start	15908	End	17117

GI	26545_3.R1084	Score	768
Exons	15908..15963, 16044..16118, 16211..16345, 16962..17117		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58311	Strand	+
Start	15961	End	17349
Name	OJ000250_84.0214.C8.o5.gs	Method	GENSCAN
Start	15961	End	17349
GI	none	Score	.71
Exons	15961..15963, 16044..16118, 16211..16345, 17284..17349		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58311	Strand	+
Start	15961	End	17349
Name	OJ000250_84.0214.C8.o4.np	Method	AAT/NAP
Start	16041	End	17072
GI	4567232	Score	415
Exons	16041..16118, 16211..16345, 16962..17072		
GI Descrip.	(AC007119) 40S ribosomal protein S25 [Arabidopsis thaliana]		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58312	Strand	+
Start	18139	End	18399
Name	OJ000250_84.0214.C8.o6.gs	Method	GENSCAN
Start	18139	End	18399
GI	none	Score	.99
Exons	18139..18399		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58313	Strand	-
Start	2447	End	2800
Name	OJ000250_84.0214.C8.o2.gp	Method	AAT/GAP
Start	2447	End	2800
GI	3768577	Score	499
Exons	2447..2800		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58314	Strand	-
Start	2994	End	6934
Name	OJ000250_84.0214.C8.o2.gs	Method	GENSCAN
Start	2994	End	6934
GI	none	Score	.85
Exons	2994..3022, 3109..3328, 3487..3705, 3852..4112, 4385..4549, 4654..4848, 5034..5237, 5314..5394, 5481..5672, 6509..6934		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58314	Strand	-
Start	2994	End	6934
Name	OJ000250_84.0214.C8.o2.np	Method	AAT/NAP
Start	3053	End	5237
GI	3047123	Score	1651
Exons	3053..3328, 3487..3705, 3852..4112, 4385..4549, 4654..4848, 5034..5237		
GI Descrip.	(AF058919) similar to the family of glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58314	Strand	-
Start	2994	End	6934
Name	OJ000250_84.0214.C8.o3.gp	Method	AAT/GAP
Start	3136	End	3258
GI	LIB3433-033-P1-K1-B10	Score	123
Exons	3136..3258		
GI Descrip.	'3047123 3.0e-36 (AF058919) similar to the family of glycosyl hydrolases [Arabidopsis thaliana]'		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58314	Strand	-
Start	2994	End	6934
Name	OJ000250_84.0214.C8.o4.gp	Method	AAT/GAP
Start	3543	End	4068
GI	700259	Score	660
Exons	3543..3705, 3852..4068		
GI Descrip.	3047123 3.0e-36 (AF058919) similar to the family of glycosyl hydrolases [Arabidopsis thaliana]		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58315	Strand	-
Start	9443	End	9743
Name	OJ000250_84.0214.C8.o5.gp	Method	AAT/GAP
Start	9443	End	9743
GI	2798202	Score	545
Exons	9443..9743		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58316	Strand	-
Start	10679	End	11367
Name	OJ000250_84.0214.C8.o6.gp	Method	AAT/GAP
Start	10679	End	11367
GI	none	Score	908
Exons	10679..11036, 11215..11367		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o6.tm	Method	TBLASTX:Maize
Start	137	End	2025
GI	none	Score	102
Exons	137..196, 139..195, 870..974, 912..968, 953..1021, 964..1023, 970..1023, 1476..1613, 1476..1619, 1477..1617, 1478..1618, 1780..1950, 1782..1949, 1948..1998, 1950..1991, 1986..2024, 1996..2025		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o4.ts	Method	TBLASTX:Soybean
Start	143	End	1887
GI	none	Score	75
Exons	143..193, 893..967, 909..968, 963..1007, 965..1033, 1473..1619, 1477..1617, 1780..1887		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o4.tm	Method	TBLASTX:Maize
Start	2921	End	3594
GI	none	Score	44
Exons	2921..2965, 2922..2987, 2992..3024, 2994..3023, 3101..3334, 3102..3329, 3103..3330, 3104..3331, 3470..3583, 3478..3594, 3479..3592		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o1.tc	Method	TBLASTX:Cress
Start	3110	End	5340
GI	none	Score	92
Exons	3110..3199, 3224..3331, 3541..3708, 3557..3706, 3617..3715, 3870..4037, 3871..4038, 3978..4115, 4033..4113, 4385..4549, 4389..4553, 4648..4845, 4658..4843, 4690..4851, 5016..5177, 5059..5166, 5308..5340		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o2.ts	Method	TBLASTX:Soybean
Start	3110	End	5340
GI	none	Score	81
Exons	3110..3220, 3224..3331, 3538..3708, 3562..3693, 3620..3706, 3849..4079, 3900..4040, 3978..4115, 4033..4113, 4385..4549, 4386..4547, 4648..4845, 4655..4843, 4735..4851, 5016..5204, 5077..5181, 5308..5340, 5309..5338		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o1.tw	Method	TBLASTX:Wheat
Start	3484	End	4082
GI	none	Score	301
Exons	3484..3708, 3485..3706, 3846..4082, 3852..4058, 3859..4065		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o9.tm	Method	TBLASTX:Maize
Start	3595	End	3706
GI	none	Score	159
Exons	3595..3705, 3599..3706, 3620..3706		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o3.tm	Method	TBLASTX:Maize
Start	3849	End	4542
GI	none	Score	235
Exons	3849..4058, 3849..4115, 3850..4116, 3859..4113, 4365..4535, 4385..4540, 4385..4540, 4386..4541, 4387..4542		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o3.tw	Method	TBLASTX:Wheat
Start	4463	End	5172
GI	none	Score	131
Exons	4463..4549, 4648..4845, 4691..4843, 5016..5162, 5017..5172		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o8.tm	Method	TBLASTX:Maize
Start	4648	End	5132
GI	none	Score	143
Exons	4648..4845, 4664..4846, 5016..5132		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o4.tw	Method	TBLASTX:Wheat
Start	5319	End	18411
GI	none	Score	97
Exons	5319..5393, 18199..18291, 18204..18299, 18207..18302, 18208..18303, 18324..18410, 18324..18410, 18346..18411		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o1.tm	Method	TBLASTX:Maize
Start	9601	End	10324
GI	none	Score	52
Exons	9601..9642, 9701..9742, 9706..9741, 9707..9748, 9708..9749, 9736..9780, 9749..9787, 9816..10310, 9833..10324, 9833..10309, 9853..10323		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o1.ts	Method	TBLASTX:Soybean
Start	9836	End	10581
GI	none	Score	296
Exons	9836..10240, 9853..10254, 10264..10581, 10265..10522, 10324..10545		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o2.tm	Method	TBLASTX:Maize
Start	10369	End	11015
GI	none	Score	212
Exons	10369..10611, 10370..10609, 10555..10665, 10567..10662, 10583..10672, 10595..10669, 10634..10783, 10665..10865, 10677..10826, 10729..10866, 10829..10930, 10830..10940, 10832..10945, 10956..11015		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-

Start	11939	End	18411
Name	OJ000250_84.0214.C8.o4.gs	Method	GENSCAN
Start	11939	End	15543
GI	none	Score	.85
Exons	11939..11947, 14115..14153, 15421..15543		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o7.gp	Method	AAT/GAP
Start	13340	End	15646
GI	143_1.R1084	Score	1429
Exons	13340..13853, 14115..14153, 15421..15646		
GI Descrip.	'5821432/dbj|BAA81662.2| 4.0e-54 (AB029060) F1F0-ATPase inhibitor protein [Oryza sativa]'		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o7.tm	Method	TBLASTX:Maize
Start	13622	End	15618
GI	none	Score	159
Exons	13622..13822, 13637..13822, 13641..13838, 13642..13830, 13809..13856, 13829..13855, 15421..15618		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o3.np	Method	AAT/NAP
Start	13647	End	15543
GI	5821432	Score	551
Exons	13647..13853, 14115..14153, 15421..15543		
GI Descrip.	(AB029060) F1F0-ATPase inhibitor protein [Oryza sativa]		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o5.tm	Method	TBLASTX:Maize
Start	15976	End	17132
GI	none	Score	103
Exons	15976..16116, 16043..16117, 16208..16348, 16210..16377, 16210..16341, 16941..17075, 16955..17074, 16962..17084, 17032..17076, 17091..17132		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o3.ts	Method	TBLASTX:Soybean
Start	16019	End	17096
GI	none	Score	84
Exons	16019..16117, 16042..16116, 16208..16348, 16210..16341, 16941..17096, 16955..17071		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o2.tc	Method	TBLASTX:Cress

Start	16042	End	17075
GI	none	Score	83
Exons	16042..16116, 16043..16117, 16208..16348, 16210..16338, 16941..17075, 16961..17071		

Seq. No.	28315	Seq. ID	OJ000250_84.0214.C8
Gene No.	58317	Strand	-
Start	11939	End	18411
Name	OJ000250_84.0214.C8.o2.tw	Method	TBLASTX:Wheat
Start	16042	End	17203
GI	none	Score	91
Exons	16042..16116, 16043..16117, 16208..16348, 16210..16377, 16210..16341, 16391..16435, 16888..16938, 16955..17077, 16956..17075, 17012..17077, 17168..17203		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58318	Strand	+
Start	1937	End	2581
Name	OJ000250_84.0214.C9.o1.gs	Method	GENSCAN
Start	1937	End	2581
GI	none	Score	.85
Exons	1937..2581		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58318	Strand	+
Start	1937	End	2581
Name	OJ000250_84.0214.C9.o1.np	Method	AAT/NAP
Start	1939	End	2563
GI	2655291	Score	333
Exons	1939..2563		
GI Descrip.	(AF032974) germin-like protein 4 [Oryza sativa]		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58319	Strand	+
Start	4243	End	4986
Name	OJ000250_84.0214.C9.o2.gs	Method	GENSCAN
Start	4243	End	4986
GI	none	Score	.64
Exons	4243..4986		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58319	Strand	+
Start	4243	End	4986
Name	OJ000250_84.0214.C9.o2.np	Method	AAT/NAP
Start	4387	End	4887
GI	6671962	Score	209
Exons	4387..4887		
GI Descrip.	(AC013454) germin-like protein [Arabidopsis thaliana] gi|6714408|gb|AAF26097.1|AC012393_23 (AC012393) germin-like protein [Arabidopsis thaliana]		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58320	Strand	+
Start	8573	End	11890
Name	OJ000250_84.0214.C9.o4.np	Method	AAT/NAP
Start	8567	End	11890
GI	4314389	Score	223

Exons	8567..8739, 9235..9353, 11865..11890
GI Descrip.	(AC006232) putative CCAAT-binding transcription factor subunit [Arabidopsis thaliana]

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58320	Strand	+
Start	8573	End	11890
Name	OJ000250_84.0214.C9.o4.gs	Method	GENSCAN
Start	8573	End	9844
GI	none	Score	.81
Exons	8573..8739, 9235..9353, 9708..9844		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58321	Strand	+
Start	13548	End	14374
Name	OJ000250_84.0214.C9.o7.gs	Method	GENSCAN
Start	13548	End	14374
GI	none	Score	.5
Exons	13548..13558, 14218..14374		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58322	Strand	-
Start	5725	End	7607
Name	OJ000250_84.0214.C9.o1.gp	Method	AAT/GAP
Start	5522	End	7607
GI	598_4.R1084	Score	1171
Exons	5522..5754, 6118..6184, 7162..7351, 7451..7607		
GI Descrip.	'485518/pir||S33633 6.0e-70 ubiquitin / ribosomal protein CEP52 - rice >gi_303857_dbj_BAA02154_ (D12629) ubiquitin/ribosomal polyprotein [Oryza sativa]'		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58322	Strand	-
Start	5725	End	7607
Name	OJ000250_84.0214.C9.o3.gs	Method	GENSCAN
Start	5725	End	7553
GI	none	Score	.95
Exons	5725..5754, 6118..6184, 7162..7351, 7451..7553		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58322	Strand	-
Start	5725	End	7607
Name	OJ000250_84.0214.C9.o3.np	Method	AAT/NAP
Start	5728	End	7553
GI	485518	Score	577
Exons	5728..5754, 6118..6184, 7162..7351, 7451..7553		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - rice gi|303857|dbj|BAA02154.1| (D12629) ubiquitin/ribosomal polyprotein [Oryza sativa]		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58323	Strand	-
Start	10557	End	12237
Name	OJ000250_84.0214.C9.o5.gs	Method	GENSCAN
Start	10557	End	12237
GI	none	Score	.82
Exons	10557..10662, 10880..11082, 11169..11387, 12040..12237		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58323	Strand	-
Start	10557	End	12237
Name	OJ000250_84.0214.C9.o2.gp	Method	AAT/GAP
Start	10703	End	11255
GI	none	Score	793
Exons	10703..11082, 11169..11255		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58324	Strand	-
Start	12712	End	12936
Name	OJ000250_84.0214.C9.o6.gs	Method	GENSCAN
Start	12712	End	12936
GI	none	Score	.97
Exons	12712..12936		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58325	Strand	-
Start	13612	End	14395
Name	OJ000250_84.0214.C9.o3.gp	Method	AAT/GAP
Start	13612	End	14395
GI	none	Score	1231
Exons	13612..13957, 14035..14395		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	1921	End	4665
GI	none	Score	53
Exons	1921..2016, 1930..1992, 1954..2103, 2003..2110, 2003..2110, 2121..2177, 2140..2226, 2143..2364, 2144..2365, 4314..4400, 4321..4398, 4440..4556, 4441..4563, 4561..4611, 4627..4665		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o3.tm	Method	TBLASTX:Maize
Start	1984	End	4704
GI	none	Score	64
Exons	1984..2025, 1985..2077, 2134..2415, 2135..2428, 2501..2566, 4414..4563, 4632..4703, 4633..4704		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o2.tc	Method	TBLASTX:Cress
Start	2149	End	4785
GI	none	Score	249
Exons	2149..2415, 2150..2428, 4387..4563, 4633..4704, 4699..4785		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o2.ts	Method	TBLASTX:Soybean
Start	2150	End	4788

GI	none	Score	243
Exons	2150..2428, 2233..2427, 4444..4563, 4633..4704, 4699..4788		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o2.tm	Method	TBLASTX:Maize
Start	5650	End	7557
GI	none	Score	135
Exons	5650..5757, 6113..6193, 6115..6210, 6156..6197, 7159..7353, 7159..7206, 7161..7367, 7447..7557, 7448..7519, 7494..7556		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o1.tc	Method	TBLASTX:Cress
Start	6113	End	7556
GI	none	Score	90
Exons	6113..6193, 6115..6210, 7159..7353, 7161..7367, 7448..7519, 7449..7556, 7494..7556		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	6113	End	7556
GI	none	Score	110
Exons	6113..6193, 6115..6210, 7159..7353, 7161..7367, 7449..7556, 7451..7510, 7494..7553		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	7159	End	7556
GI	none	Score	278
Exons	7159..7353, 7159..7206, 7161..7367, 7224..7367, 7224..7367, 7225..7353, 7225..7353, 7327..7383, 7449..7556, 7449..7553, 7449..7553, 7454..7519, 7454..7519, 7454..7519, 7500..7553, 7500..7556, 7500..7553		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o4.tm	Method	TBLASTX:Maize
Start	10847	End	11223
GI	none	Score	73
Exons	10847..10918, 10849..11082, 10850..10912, 10962..11036, 10962..11114, 10966..11115, 11110..11223, 11121..11216, 11173..11223		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	14384	End	16414
GI	none	Score	57

Exons	14384..14419, 14385..14450, 14462..14539, 14465..14539, 14466..14546, 14917..15021, 14927..15040, 14928..15026, 15093..15182, 15095..15190, 15188..15301, 15189..15302, 15194..15304, 15229..15321, 15686..15967, 15715..15978, 15758..15991, 15979..16170, 16016..16162, 16016..16171, 16088..16312, 16116..16172, 16167..16310, 16174..16311, 16205..16312, 16309..16410, 16319..16414, 16322..16411, 16350..16412		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o5.np	Method	AAT/NAP
Start	14396	End	16513
GI	6630553	Score	353
Exons	14396..14418, 15060..15134, 15712..15894, 15973..16513		
GI Descrip.	(AC011708) unknown protein [Arabidopsis thaliana]		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o8.gs	Method	GENSCAN
Start	15707	End	16423
GI	none	Score	.82
Exons	15707..16423		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o3.ts	Method	TBLASTX:Soybean
Start	16016	End	16483
GI	none	Score	74
Exons	16016..16192, 16295..16483, 16301..16426		

Seq. No.	28316	Seq. ID	OJ000250_84.0214.C9
Gene No.	58326	Strand	-
Start	14396	End	16513
Name	OJ000250_84.0214.C9.o4.gp	Method	AAT/GAP
Start	16330	End	16431
GI	none	Score	170
Exons	16330..16431		

Seq. No.	28317	Seq. ID	OJ000250_84.0214.C12
Gene No.	58327	Strand	+
Start	389	End	631
Name	OJ000250_84.0214.C12.o1.gp	Method	AAT/GAP
Start	389	End	631
GI	uC-osrocyp028g09b1	Score	155
Exons	389..480, 608..631		
GI Descrip.	'3386604 2.0e-11 (AC004665) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	28318	Seq. ID	OJ000250_84.0214.C13
Gene No.	58328	Strand	+
Start	587	End	658
Name	OJ000250_84.0214.C13.o1.gs	Method	GENSCAN
Start	587	End	658

GI	none	Score	.5
Exons	587..658		

Seq. No.	28319	Seq. ID	OJ000250_84.0214.C14
Gene No.	58329	Strand	+
Start	1	End	270
Name	OJ000250_84.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	270
GI	2498930	Score	97
Exons	1..83, 251..270		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	28319	Seq. ID	OJ000250_84.0214.C14
Gene No.	58329	Strand	+
Start	1	End	270
Name	OJ000250_84.0214.C14.o1.gs	Method	GENSCAN
Start	77	End	83
GI	none	Score	.96
Exons	77..83		

Seq. No.	28320	Seq. ID	OJ000250_81.0214.C2
Gene No.	58330	Strand	+
Start	61	End	201
Name	OJ000250_81.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	25	End	201
GI	none	Score	116
Exons	25..201, 41..190, 43..201		

Seq. No.	28320	Seq. ID	OJ000250_81.0214.C2
Gene No.	58330	Strand	+
Start	61	End	201
Name	OJ000250_81.0214.C2.o1.gs	Method	GENSCAN
Start	61	End	199
GI	none	Score	1
Exons	61..199		

Seq. No.	28321	Seq. ID	OJ000250_81.0214.C5
Gene No.	58331	Strand	+
Start	1	End	379
Name	OJ000250_81.0214.C5.o1.np	Method	AAT/NAP
Start	1	End	379
GI	6498441	Score	449
Exons	1..379		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28321	Seq. ID	OJ000250_81.0214.C5
Gene No.	58332	Strand	-
Start	53	End	113
Name	OJ000250_81.0214.C5.o1.gs	Method	GENSCAN
Start	53	End	113
GI	none	Score	.97
Exons	53..113		

Seq. No.	28322	Seq. ID	OJ000250_81.0214.C6

Gene No.	58333	Strand	-
Start	1	End	585
Name	OJ000250_81.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	585
GI	5803259	Score	709
Exons	1..353, 451..585		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	28322	Seq. ID	OJ000250_81.0214.C6
Gene No.	58333	Strand	-
Start	1	End	585
Name	OJ000250_81.0214.C6.o1.gs	Method	GENSCAN
Start	71	End	524
GI	none	Score	.98
Exons	71..353, 451..524		

Seq. No.	28323	Seq. ID	OJ000250_81.0214.C8
Gene No.	58334	Strand	+
Start	1	End	132
Name	OJ000250_81.0214.C8.o1.np	Method	AAT/NAP
Start	1	End	132
GI	5257261	Score	95
Exons	1..132		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	28324	Seq. ID	OJ000250_81.0214.C10
Gene No.	58335	Strand	-
Start	311	End	666
Name	OJ000250_81.0214.C10.o1.gs	Method	GENSCAN
Start	311	End	666
GI	none	Score	.58
Exons	311..425, 568..666		

Seq. No.	28325	Seq. ID	OJ000250_81.0214.C13
Gene No.	58336	Strand	+
Start	118	End	317
Name	OJ000250_81.0214.C13.o1.gs	Method	GENSCAN
Start	118	End	317
GI	none	Score	.79
Exons	118..193, 199..317		

Seq. No.	28326	Seq. ID	OJ000250_81.0214.C16
Gene No.	58337	Strand	-
Start	1	End	437
Name	OJ000250_81.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	437
GI	6069646	Score	292
Exons	1..437		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28326	Seq. ID	OJ000250_81.0214.C16
Gene No.	58337	Strand	-
Start	1	End	437

Name	OJ000250_81.0214.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	310
GI	none	Score	120
Exons	2..310, 102..260		

Seq. No.	28327	Seq. ID	OJ000250_81.0214.C17
Gene No.	58338	Strand	+
Start	120	End	276
Name	OJ000250_81.0214.C17.o1.gs	Method	GENSCAN
Start	120	End	276
GI	none	Score	.61
Exons	120..276		

Seq. No.	28328	Seq. ID	OJ000250_81.0214.C19
Gene No.	58339	Strand	-
Start	87	End	329
Name	OJ000250_81.0214.C19.o1.gs	Method	GENSCAN
Start	87	End	329
GI	none	Score	.89
Exons	87..329		

Seq. No.	28329	Seq. ID	OJ000250_81.0214.C20
Gene No.	58340	Strand	+
Start	1	End	562
Name	OJ000250_81.0214.C20.o1.np	Method	AAT/NAP
Start	1	End	562
GI	6630556	Score	58
Exons	1..116, 542..562		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	28330	Seq. ID	OJ000250_81.0214.C21
Gene No.	58341	Strand	+
Start	1	End	817
Name	OJ000250_81.0214.C21.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6815053	Score	248
Exons	1..130, 594..817		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	28330	Seq. ID	OJ000250_81.0214.C21
Gene No.	58342	Strand	-
Start	24	End	730
Name	OJ000250_81.0214.C21.o1.gs	Method	GENSCAN
Start	24	End	730
GI	none	Score	.4
Exons	24..131, 648..730		

Seq. No.	28331	Seq. ID	OJ000250_81.0214.C24
Gene No.	58343	Strand	+
Start	141	End	227
Name	OJ000250_81.0214.C24.o1.gs	Method	GENSCAN
Start	141	End	227
GI	none	Score	.72
Exons	141..227		

Seq. No.	28332	Seq. ID	OJ000250_81.0214.C25

Gene No.	58344	Strand	+
Start	232	End	267
Name	OJ000250_81.0214.C25.o1.gs	Method	GENSCAN
Start	232	End	267
GI	none	Score	.89
Exons	232..267		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58345	Strand	+
Start	2391	End	3052
Name	OJ000250_81.0214.C26.o1.gs	Method	GENSCAN
Start	2391	End	3052
GI	none	Score	.88
Exons	2391..2431, 2682..2887, 3030..3052		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58346	Strand	+
Start	13967	End	19138
Name	OJ000250_81.0214.C26.o1.np	Method	AAT/NAP
Start	13967	End	19102
GI	5922631	Score	4919
Exons	13967..14091, 14350..14594, 14854..15056, 15102..15967, 16574..19102		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58346	Strand	+
Start	13967	End	19138
Name	OJ000250_81.0214.C26.o4.gs	Method	GENSCAN
Start	13967	End	16692
GI	none	Score	.51
Exons	13967..14389, 14408..14585, 14604..14803, 15007..15959, 16137..16329, 16486..16692		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58346	Strand	+
Start	13967	End	19138
Name	OJ000250_81.0214.C26.o5.gs	Method	GENSCAN
Start	16858	End	17904
GI	none	Score	.84
Exons	16858..17904		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58346	Strand	+
Start	13967	End	19138
Name	OJ000250_81.0214.C26.o6.gs	Method	GENSCAN
Start	18104	End	19138
GI	none	Score	1
Exons	18104..19138		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26

Gene No.	58347	Strand	+
Start	32065	End	38475
Name	OJ000250_81.0214.C26.o10.gs	Method	GENSCAN
Start	32065	End	38475
GI	none	Score	.96
Exons	32065..32293, 33556..33615, 33962..34021, 34102..34197, 34408..34515, 34681..34734, 34919..35058, 35143..35214, 35587..35661, 35849..38248, 38323..38475		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58347	Strand	+
Start	32065	End	38475
Name	OJ000250_81.0214.C26.o3.np	Method	AAT/NAP
Start	32065	End	34053
GI	6907105	Score	454
Exons	32065..32333, 33542..33625, 33912..34053		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58347	Strand	+
Start	32065	End	38475
Name	OJ000250_81.0214.C26.o4.np	Method	AAT/NAP
Start	35173	End	38469
GI	6539581	Score	2382
Exons	35173..35239, 35591..35651, 35857..36304, 36410..38248, 38323..38469		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58348	Strand	+
Start	44600	End	44681
Name	OJ000250_81.0214.C26.o2.gp	Method	AAT/GAP
Start	44600	End	44681
GI	LIB3474-001-P1-K1-D2	Score	83
Exons	44600..44681		
GI Descrip.	'3123271/sp|P51430|RS6_ARATH 8.0e-36 40S RIBOSOMAL PROTEIN S6 >gi_2224751_emb_CAA74381_ (Y14052) ribosomal protein S6 [Arabidopsis thaliana]'		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58349	Strand	-
Start	1935	End	2287
Name	OJ000250_81.0214.C26.o1.gp	Method	AAT/GAP
Start	1935	End	2287
GI	none	Score	670
Exons	1935..2287		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58350	Strand	-
Start	5022	End	6457
Name	OJ000250_81.0214.C26.o2.gs	Method	GENSCAN
Start	5022	End	6457
GI	none	Score	.66
Exons	5022..5078, 5888..6457		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26

Gene No.	58351	Strand	-
Start	8892	End	12558
Name	OJ000250_81.0214.C26.o3.gs	Method	GENSCAN
Start	8892	End	12558
GI	none	Score	.67
Exons	8892..8918, 10035..10284, 10497..10671, 10705..10832, 10853..11126, 12248..12440, 12553..12558		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58352	Strand	-
Start	19454	End	22346
Name	OJ000250_81.0214.C26.o7.gs	Method	GENSCAN
Start	19454	End	22346
GI	none	Score	.81
Exons	19454..19863, 20154..20343, 20417..20604, 20682..21040, 21123..21412, 21498..21796, 22217..22346		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58352	Strand	-
Start	19454	End	22346
Name	OJ000250_81.0214.C26.o2.np	Method	AAT/NAP
Start	19457	End	22346
GI	6691716	Score	2460
Exons	19457..19906, 19978..20082, 20232..20343, 20417..20604, 20682..20858, 20935..21040, 21123..21297, 21494..22346		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58353	Strand	-
Start	26817	End	30882
Name	OJ000250_81.0214.C26.o9.gs	Method	GENSCAN
Start	26817	End	30882
GI	none	Score	.64
Exons	26817..27010, 27100..27372, 29243..29314, 30876..30882		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o4.tm	Method	TBLASTX:Maize
Start	6230	End	6482
GI	none	Score	112
Exons	6230..6262, 6272..6481, 6278..6379, 6282..6482		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o4.ts	Method	TBLASTX:Soybean
Start	6245	End	6482
GI	none	Score	64
Exons	6245..6481, 6357..6482		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o7.tw	Method	TBLASTX:Wheat

Start	15307	End	15764
GI	none	Score	146
Exons	15307..15483, 15526..15762, 15528..15764		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o4.tw	Method	TBLASTX:Wheat
Start	15949	End	16308
GI	none	Score	405
Exons	15949..16308, 15963..16307		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o3.tm	Method	TBLASTX:Maize
Start	16114	End	16470
GI	none	Score	353
Exons	16114..16470, 16155..16460		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o1.tw	Method	TBLASTX:Wheat
Start	16339	End	16758
GI	none	Score	480
Exons	16339..16758, 16341..16538, 16351..16554, 16605..16757		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o2.ts	Method	TBLASTX:Soybean
Start	16603	End	17034
GI	none	Score	271
Exons	16603..17034, 16650..16775, 16666..16947		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o2.tm	Method	TBLASTX:Maize
Start	16701	End	17145
GI	none	Score	264
Exons	16701..16952, 16702..16953, 16978..17121, 16990..17109, 17119..17145		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o5.tw	Method	TBLASTX:Wheat
Start	16804	End	17232
GI	none	Score	400
Exons	16804..17232		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o3.ts	Method	TBLASTX:Soybean

Start	17257	End	17648
GI	none	Score	89
Exons	17257..17358, 17268..17354, 17400..17648, 17404..17646		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o3.tw	Method	TBLASTX:Wheat
Start	17269	End	17691
GI	none	Score	409
Exons	17269..17691, 17274..17615		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o8.tm	Method	TBLASTX:Maize
Start	17322	End	17595
GI	none	Score	126
Exons	17322..17492, 17323..17493, 17497..17595, 17529..17594		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o11.tw	Method	TBLASTX:Wheat
Start	17707	End	18006
GI	none	Score	135
Exons	17707..17841, 17740..17880, 17863..18006		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o1.tm	Method	TBLASTX:Maize
Start	18004	End	18330
GI	none	Score	173
Exons	18004..18162, 18024..18158, 18157..18330, 18158..18328		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o6.tw	Method	TBLASTX:Wheat
Start	18010	End	18399
GI	none	Score	163
Exons	18010..18162, 18018..18158, 18157..18321, 18158..18397, 18218..18379, 18352..18399		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o2.tw	Method	TBLASTX:Wheat
Start	18511	End	19108
GI	none	Score	387
Exons	18511..18600, 18512..19003, 18667..18774, 18989..19108		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o6.tm	Method	TBLASTX:Maize

Start	18833	End	19087
GI	none	Score	160
Exons	18833..19006, 18946..19005, 18985..19086, 18986..19087		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o10.tw	Method	TBLASTX:Wheat
Start	21936	End	22223
GI	none	Score	204
Exons	21936..22223		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o8.tw	Method	TBLASTX:Wheat
Start	36401	End	36793
GI	none	Score	66
Exons	36401..36499, 36503..36793		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o7.tm	Method	TBLASTX:Maize
Start	36404	End	36625
GI	none	Score	227
Exons	36404..36625		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o1.tc	Method	TBLASTX:Cress
Start	36620	End	36940
GI	none	Score	228
Exons	36620..36940, 36647..36841		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o5.tm	Method	TBLASTX:Maize
Start	36626	End	37009
GI	none	Score	283
Exons	36626..37009, 36629..36997		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o1.ts	Method	TBLASTX:Soybean
Start	36686	End	37228
GI	none	Score	386
Exons	36686..37228, 36686..37021		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o9.tw	Method	TBLASTX:Wheat
Start	36860	End	37291

GI	none	Score	246
Exons	36860..37291, 37096..37290		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o11.gs	Method	GENSCAN
Start	38717	End	44294
GI	none	Score	.91
Exons	38717..38725, 38811..38997, 39454..39557, 39652..39783, 40227..40454, 40907..41002, 41232..41404, 41730..41778, 41872..41970, 42064..42155, 42251..42476, 42571..42744, 42830..43453, 43534..43677, 43752..43862, 44160..44294		

Seq. No.	28333	Seq. ID	OJ000250_81.0214.C26
Gene No.	58354	Strand	-
Start	38717	End	45253
Name	OJ000250_81.0214.C26.o5.np	Method	AAT/NAP
Start	39649	End	45253
GI	6539580	Score	1454
Exons	39649..40013, 40102..40454, 40890..41002, 41055..41155, 41253..41389, 41663..41778, 41869..41957, 42057..42131, 42251..42476, 42565..42744, 42830..43455, 43554..43677, 43752..43835, 44160..44237, 45233..45253		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58355	Strand	+
Start	182	End	345
Name	OJ000250_81.0214.C27.o1.gs	Method	GENSCAN
Start	182	End	345
GI	none	Score	.9
Exons	182..345		

Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58356	Strand	+
Start	1315	End	8360
Name	OJ000250_81.0214.C27.o1.np	Method	AAT/NAP
Start	1315	End	4637
GI	6721512	Score	102
Exons	1315..1350, 2897..3021, 3049..3187, 4606..4637		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58356	Strand	+
Start	1315	End	8360
Name	OJ000250_81.0214.C27.o3.gs	Method	GENSCAN
Start	4441	End	8360
GI	none	Score	.45
Exons	4441..4529, 8153..8360		

Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58357	Strand	+
Start	12175	End	12255
Name	OJ000250_81.0214.C27.o2.np	Method	AAT/NAP
Start	12175	End	12255
GI	6630699	Score	69

Exons	12175..12255		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58358	Strand	+
Start	12390	End	14170
Name	OJ000250_81.0214.C27.o3.np	Method	AAT/NAP
Start	12390	End	14170
GI	6539570	Score	82
Exons	12390..12625, 14147..14170		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58359	Strand	-
Start	2682	End	3432
Name	OJ000250_81.0214.C27.o2.gs	Method	GENSCAN
Start	2682	End	3432
GI	none	Score	.69
Exons	2682..2958, 3103..3268, 3285..3432		
Seq. No.	28334	Seq. ID	OJ000250_81.0214.C27
Gene No.	58360	Strand	-
Start	9655	End	12924
Name	OJ000250_81.0214.C27.o4.gs	Method	GENSCAN
Start	9655	End	12924
GI	none	Score	.48
Exons	9655..9805, 10920..11092, 12922..12924		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58361	Strand	+
Start	2016	End	2165
Name	OJ000250_81.0214.C28.o1.gs	Method	GENSCAN
Start	2016	End	2165
GI	none	Score	.7
Exons	2016..2165		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58362	Strand	+
Start	8698	End	11671
Name	OJ000250_81.0214.C28.o3.gs	Method	GENSCAN
Start	8698	End	11671
GI	none	Score	.8
Exons	8698..8741, 9130..9206, 9607..9770, 11204..11411, 11463..11671		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58363	Strand	+
Start	13787	End	15165
Name	OJ000250_81.0214.C28.o4.gs	Method	GENSCAN
Start	13787	End	15165
GI	none	Score	.73
Exons	13787..13835, 14086..14246, 14684..14741, 14759..14862, 14947..15165		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58363	Strand	+

Start	13787	End	15165
Name	OJ000250_81.0214.C28.o2.gp	Method	AAT/GAP
Start	13941	End	14461
GI	LIB3434-038-P1-K1-F1	Score	777
Exons	13941..14461		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58364	Strand	+
Start	19318	End	20017
Name	OJ000250_81.0214.C28.o3.gp	Method	AAT/GAP
Start	19318	End	20017
GI	none	Score	1123
Exons	19318..20017		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58365	Strand	+
Start	37123	End	37613
Name	OJ000250_81.0214.C28.o6.gp	Method	AAT/GAP
Start	37123	End	37613
GI	none	Score	781
Exons	37123..37288, 37372..37613		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58366	Strand	-
Start	4761	End	7080
Name	OJ000250_81.0214.C28.o2.gs	Method	GENSCAN
Start	4761	End	7080
GI	none	Score	.7
Exons	4761..5604, 6154..6395, 6480..6709, 6724..6786, 6792..7080		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58366	Strand	-
Start	4761	End	7080
Name	OJ000250_81.0214.C28.o1.np	Method	AAT/NAP
Start	4773	End	7074
GI	4204278	Score	1276
Exons	4773..5604, 6154..6395, 6480..6709, 6792..7074		
GI Descrip.	(AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana]		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58367	Strand	-
Start	15902	End	16579
Name	OJ000250_81.0214.C28.o5.gs	Method	GENSCAN
Start	15902	End	16579
GI	none	Score	.88
Exons	15902..16018, 16151..16216, 16526..16579		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58368	Strand	-
Start	19690	End	26747
Name	OJ000250_81.0214.C28.o6.gs	Method	GENSCAN
Start	19690	End	26747
GI	none	Score	.91
Exons	19690..21001, 21115..23729, 23823..24167, 24324..24418,		

24684..24810, 24885..25056, 25355..25577, 26708..26747

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58368	Strand	-
Start	19690	End	26747
Name	OJ000250_81.0214.C28.o4.gp	Method	AAT/GAP
Start	19875	End	20578
GI	none	Score	1288
Exons	19875..20578		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58368	Strand	-
Start	19690	End	26747
Name	OJ000250_81.0214.C28.o5.gp	Method	AAT/GAP
Start	22010	End	22467
GI	none	Score	908
Exons	22010..22467		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o1.tc	Method	TBLASTX:Cress
Start	4821	End	5099
GI	none	Score	84
Exons	4821..4940, 5008..5097, 5019..5099		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o2.tm	Method	TBLASTX:Maize
Start	4821	End	6710
GI	none	Score	88
Exons	4821..4937, 5005..5097, 5019..5123, 5112..5234, 5143..5205, 5244..5381, 5245..5379, 5283..5381, 6159..6317, 6615..6710		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o1.ts	Method	TBLASTX:Soybean
Start	4821	End	6710
GI	none	Score	68
Exons	4821..4937, 5005..5097, 5019..5111, 5103..5381, 5245..5379, 6207..6320, 6477..6569, 6630..6710		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o2.tw	Method	TBLASTX:Wheat
Start	5121	End	5381
GI	none	Score	47
Exons	5121..5225, 5137..5196, 5241..5381, 5242..5367		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o2.tc	Method	TBLASTX:Cress
Start	6630	End	6993

GI	none	Score	45
Exons	6630..6710, 6645..6725, 6787..6993, 6791..6856		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o5.tm	Method	TBLASTX:Maize
Start	19453	End	19905
GI	none	Score	67
Exons	19453..19542, 19477..19542, 19546..19617, 19547..19612, 19698..19754, 19709..19903, 19751..19903, 19756..19905		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o1.tw	Method	TBLASTX:Wheat
Start	20047	End	20383
GI	none	Score	154
Exons	20047..20193, 20051..20194, 20054..20194, 20058..20204, 20190..20297, 20194..20286, 20207..20287, 20295..20321, 20360..20383		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o4.tm	Method	TBLASTX:Maize
Start	20668	End	20974
GI	none	Score	240
Exons	20668..20889, 20683..20889, 20711..20905, 20711..20893, 20890..20973, 20891..20974		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o6.tm	Method	TBLASTX:Maize
Start	21233	End	21594
GI	none	Score	94
Exons	21233..21337, 21234..21413, 21237..21353, 21331..21456, 21345..21473, 21513..21569, 21514..21594		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58369	Strand	-
Start	31178	End	31255
Name	OJ000250_81.0214.C28.o3.np	Method	AAT/NAP
Start	31178	End	31255
GI	6630699	Score	69
Exons	31178..31255		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58370	Strand	
Start	36397	End	37712
Name	OJ000250_81.0214.C28.o1.tm	Method	TBLASTX:Maize
Start	36397	End	36825
GI	none	Score	503

Exons	36397..36696, 36409..36825, 36507..36821		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58370	Strand	
Start	36397	End	37712
Name	OJ000250_81.0214.C28.o2.ts	Method	TBLASTX:Soybean
Start	36421	End	37265
GI	none	Score	53
Exons	36421..36474, 36518..36601, 36580..36942, 36732..36836, 37147..37263, 37152..37265		
Seq. No.	28335	Seq. ID	OJ000250_81.0214.C28
Gene No.	58370	Strand	
Start	36397	End	37712
Name	OJ000250_81.0214.C28.o3.tm	Method	TBLASTX:Maize
Start	36826	End	37712
GI	none	Score	96
Exons	36826..36990, 36828..36935, 36829..36942, 37152..37286, 37152..37292, 37153..37296, 37372..37443, 37373..37447, 37374..37448, 37445..37480, 37446..37490, 37472..37534, 37473..37544, 37476..37547, 37619..37636, 37680..37712		
Seq. No.	28336	Seq. ID	OJ000250_80.0214.C1
Gene No.	58371	Strand	+
Start	664	End	2261
Name	OJ000250_80.0214.C1.o1.np	Method	AAT/NAP
Start	664	End	2027
GI	729704	Score	55
Exons	664..696, 1263..1353, 1576..1631, 1875..2027		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		
Seq. No.	28336	Seq. ID	OJ000250_80.0214.C1
Gene No.	58371	Strand	+
Start	664	End	2261
Name	OJ000250_80.0214.C1.o1.gs	Method	GENSCAN
Start	978	End	2261
GI	none	Score	.75
Exons	978..2261		
Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58372	Strand	+
Start	11307	End	12448
Name	OJ000250_80.0214.C2.o1.gp	Method	AAT/GAP
Start	11307	End	12448
GI	2721_1.R1084	Score	797
Exons	11307..11344, 11863..12328, 12420..12448		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		
Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-

Start	1	End	26763
Name	OJ000250_80.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	26763
GI	5852180	Score	717
Exons	1..64, 2476..2545, 2610..2670, 3049..3150, 3454..3583, 4626..4727, 5099..5146, 5753..5849, 7719..7782, 26704..26763		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o2.tm	Method	TBLASTX:Maize
Start	6300	End	6499
GI	none	Score	297
Exons	6300..6473, 6300..6473, 6301..6474, 6302..6499		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	11860	End	12329
GI	none	Score	144
Exons	11860..11961, 11863..11976, 11864..11989, 11960..12004, 11963..12028, 12011..12166, 12012..12326, 12034..12324, 12051..12329		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o1.ts	Method	TBLASTX:Soybean
Start	12007	End	22146
GI	none	Score	43
Exons	12007..12075, 12096..12329, 12102..12326, 22096..22146		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o1.tc	Method	TBLASTX:Cress
Start	12102	End	12329
GI	none	Score	248
Exons	12102..12326, 12114..12329		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o2.gp	Method	AAT/GAP
Start	12578	End	12639
GI	2311596	Score	90
Exons	12578..12639		
GI Descrip.	5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o1.tw	Method	TBLASTX:Wheat
Start	22118	End	22450

GI	none	Score	549
Exons	22118..22450, 22120..22449		

Seq. No.	28337	Seq. ID	OJ000250_80.0214.C2
Gene No.	58373	Strand	-
Start	1	End	26763
Name	OJ000250_80.0214.C2.o3.gs	Method	GENSCAN
Start	22288	End	26037
GI	none	Score	.44
Exons	22288..22402, 23648..23657, 24187..24349, 24908..25006, 25052..25155, 25872..26037		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58374	Strand	+
Start	225	End	634
Name	OJ000250_80.0214.C3.o1.gs	Method	GENSCAN
Start	225	End	634
GI	none	Score	.42
Exons	225..240, 543..634		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58375	Strand	+
Start	1050	End	5380
Name	OJ000250_80.0214.C3.o2.np	Method	AAT/NAP
Start	1050	End	5380
GI	82753	Score	115
Exons	1050..1093, 4425..4679, 5086..5132, 5304..5380		
GI Descrip.	hypothetical protein 3 - maize mitochondrion plasmid S-1		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58375	Strand	+
Start	1050	End	5380
Name	OJ000250_80.0214.C3.o1.gp	Method	AAT/GAP
Start	1170	End	1572
GI	2311596	Score	780
Exons	1170..1572		
GI Descrip.	5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58376	Strand	+
Start	10894	End	11142
Name	OJ000250_80.0214.C3.o2.gp	Method	AAT/GAP
Start	10894	End	11142
GI	uC-osflcyp099d06b1	Score	482
Exons	10894..11142		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58377	Strand	+
Start	22095	End	22463
Name	OJ000250_80.0214.C3.o5.np	Method	AAT/NAP
Start	22095	End	22463
GI	769708	Score	624
Exons	22095..22463		
GI Descrip.	(D32052) ORF123 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o3.gs	Method	GENSCAN
Start	22811	End	28134
GI	none	Score	.68
Exons	22811..22863, 24266..24405, 24825..24883, 26019..26229, 28049..28134		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o7.np	Method	AAT/NAP
Start	23696	End	23956
GI	769710	Score	470
Exons	23696..23956		
GI Descrip.	(D32052) ORF87 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o9.np	Method	AAT/NAP
Start	24867	End	25082
GI	769712	Score	386
Exons	24867..25082		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o10.np	Method	AAT/NAP
Start	25082	End	25309
GI	769713	Score	394
Exons	25082..25309		
GI Descrip.	(D32052) ORF76 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o11.np	Method	AAT/NAP
Start	25569	End	25808
GI	769714	Score	408
Exons	25569..25808		
GI Descrip.	(D32052) ORF80 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+
Start	22811	End	28134
Name	OJ000250_80.0214.C3.o12.np	Method	AAT/NAP
Start	26046	End	26258
GI	769715	Score	390
Exons	26046..26258		
GI Descrip.	(D32052) ORF71 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58378	Strand	+

Start	22811	End	28134
Name	OJ000250_80.0214.C3.o13.np	Method	AAT/NAP
Start	27549	End	27767
GI	769716	Score	404
Exons	27549..27767		
GI Descrip.	(D32052) ORF73 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58379	Strand	+
Start	29920	End	30147
Name	OJ000250_80.0214.C3.o14.np	Method	AAT/NAP
Start	29920	End	30147
GI	769717	Score	388
Exons	29920..30147		
GI Descrip.	(D32052) ORF76B [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58380	Strand	+
Start	30395	End	30643
Name	OJ000250_80.0214.C3.o15.np	Method	AAT/NAP
Start	30395	End	30643
GI	769718	Score	427
Exons	30395..30643		
GI Descrip.	(D32052) ORF83 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58381	Strand	+
Start	30959	End	31231
Name	OJ000250_80.0214.C3.o16.np	Method	AAT/NAP
Start	30959	End	31231
GI	769719	Score	459
Exons	30959..31231		
GI Descrip.	(D32052) ORF91 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58382	Strand	+
Start	33588	End	35039
Name	OJ000250_80.0214.C3.o18.np	Method	AAT/NAP
Start	33588	End	35036
GI	769721	Score	2481
Exons	33588..35036		
GI Descrip.	(D32052) ORF483 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58382	Strand	+
Start	33588	End	35039
Name	OJ000250_80.0214.C3.o5.gs	Method	GENSCAN
Start	34062	End	35039
GI	none	Score	.62
Exons	34062..35039		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58383	Strand	+
Start	36627	End	37337
Name	OJ000250_80.0214.C3.o6.gs	Method	GENSCAN
Start	36627	End	37337
GI	none	Score	.82

Exons	36627..37337		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58384	Strand	+
Start	38472	End	41029
Name	OJ000250_80.0214.C3.o3.gp	Method	AAT/GAP
Start	38086	End	38470
GI	uC-osf1cyp033a04b1	Score	608
Exons	38086..38470		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58384	Strand	+
Start	38472	End	41029
Name	OJ000250_80.0214.C3.o8.gs	Method	GENSCAN
Start	38472	End	41012
GI	none	Score	.51
Exons	38472..38548, 40158..40232, 40796..41012		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58384	Strand	+
Start	38472	End	41029
Name	OJ000250_80.0214.C3.o20.np	Method	AAT/NAP
Start	40358	End	41029
GI	769722	Score	1177
Exons	40358..41029		
GI Descrip.	(D32052) ORF224 [Oryza sativa]		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58385	Strand	+
Start	41105	End	41380
Name	OJ000250_80.0214.C3.o21.np	Method	AAT/NAP
Start	41105	End	41380
GI	769724	Score	481
Exons	41105..41380		
GI Descrip.	(D32052) ORF92B [Oryza sativa]		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58386	Strand	+
Start	42655	End	43090
Name	OJ000250_80.0214.C3.o9.gs	Method	GENSCAN
Start	42655	End	43090
GI	none	Score	.71
Exons	42655..42732, 43007..43090		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58387	Strand	+
Start	50799	End	54493
Name	OJ000250_80.0214.C3.o27.np	Method	AAT/NAP
Start	50799	End	54493
GI	4585985	Score	39
Exons	50799..50828, 54359..54493		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58388	Strand	+

Start	58598	End	60525
Name	OJ000250_80.0214.C3.o28.np	Method	AAT/NAP
Start	58598	End	60525
GI	6907087	Score	1162
Exons	58598..58975, 59188..59872, 60424..60525		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58389	Strand	+
Start	60990	End	61362
Name	OJ000250_80.0214.C3.o7.gp	Method	AAT/GAP
Start	60990	End	61362
GI	uC-osflcyp033a04b1	Score	514
Exons	60990..61362		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58390	Strand	+
Start	66334	End	68842
Name	OJ000250_80.0214.C3.o13.gs	Method	GENSCAN
Start	66334	End	68842
GI	none	Score	.43
Exons	66334..66347, 67283..67417, 67974..68014, 68763..68842		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58391	Strand	-
Start	1492	End	22017
Name	OJ000250_80.0214.C3.o2.gs	Method	GENSCAN
Start	1492	End	21959
GI	none	Score	.46
Exons	1492..1668, 2273..2294, 2648..2679, 4152..4445, 4956..5084, 5168..5232, 6071..6247, 8239..8275, 9210..9370, 10269..10532, 10639..10815, 11885..11910, 12335..12491, 13577..13666, 14425..14573, 15190..15263, 16363..16456, 17558..17638, 17745..17788, 19156..19386, 19439..19464, 21911..21959		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58391	Strand	-
Start	1492	End	22017
Name	OJ000250_80.0214.C3.o1.np	Method	AAT/NAP
Start	3762	End	4016
GI	82486	Score	437
Exons	3762..4016		
GI Descrip.	hypothetical protein 3 - rice gi|20381|emb|CAA29824| (X06611) put. ORF 1 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58391	Strand	-
Start	1492	End	22017
Name	OJ000250_80.0214.C3.o3.np	Method	AAT/NAP
Start	11852	End	20841
GI	128766	Score	2395
Exons	11852..11937, 14731..15153, 18607..19121, 20381..20841		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4 gi|14255|emb|CAA40452|		

(X57163) NADH-ubiquinone oxidoreductase chain 4 [Triticum aestivum] gi|21824|emb|CAA40453| (X57164) NADH-ubiquinone oxidoreductase chain 4 [Triticum aestivum]

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58391	Strand	-
Start	1492	End	22017
Name	OJ000250_80.0214.C3.o4.np	Method	AAT/NAP
Start	21802	End	22017
GI	769707	Score	383
Exons	21802..22017		
GI Descrip.	(D32052) ORF72B [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58392	Strand	-
Start	22856	End	23080
Name	OJ000250_80.0214.C3.o6.np	Method	AAT/NAP
Start	22856	End	23080
GI	769709	Score	395
Exons	22856..23080		
GI Descrip.	(D32052) ORF75B [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58393	Strand	-
Start	24471	End	24740
Name	OJ000250_80.0214.C3.o8.np	Method	AAT/NAP
Start	24471	End	24740
GI	769711	Score	494
Exons	24471..24740		
GI Descrip.	(D32052) ORF90 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58394	Strand	-
Start	29713	End	33589
Name	OJ000250_80.0214.C3.o4.gs	Method	GENSCAN
Start	29713	End	33589
GI	none	Score	.59
Exons	29713..29786, 30053..30242, 31971..32020, 32329..32386, 32582..32677, 33569..33589		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58394	Strand	-
Start	29713	End	33589
Name	OJ000250_80.0214.C3.o17.np	Method	AAT/NAP
Start	31834	End	32082
GI	769720	Score	420
Exons	31834..32082		
GI Descrip.	(D32052) ORF83B [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58395	Strand	-
Start	38014	End	43895
Name	OJ000250_80.0214.C3.o19.np	Method	AAT/NAP
Start	38014	End	43895
GI	4680186	Score	256
Exons	38014..38220, 39055..39109, 43861..43895		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58395	Strand	-
Start	38014	End	43895
Name	OJ000250_80.0214.C3.o5.gp	Method	AAT/GAP
Start	40954	End	41376
GI	uC-osflcyp099h10a1	Score	746
Exons	40954..41376		
GI Descrip.	'769724/dbj|BAA06828.1| 3.0e-27 (D32052) ORF92B [Oryza sativa]'		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58395	Strand	-
Start	38014	End	43895
Name	OJ000250_80.0214.C3.o22.np	Method	AAT/NAP
Start	42646	End	43053
GI	769725	Score	745
Exons	42646..43053		
GI Descrip.	(D32052) ORF136 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58396	Strand	-
Start	43852	End	51550
Name	OJ000250_80.0214.C3.o23.np	Method	AAT/NAP
Start	43852	End	50243
GI	6714268	Score	50
Exons	43852..43894, 45943..46051, 50184..50243		
GI Descrip.	(AC017118) F6N18.1 [Arabidopsis thaliana]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58396	Strand	-
Start	43852	End	51550
Name	OJ000250_80.0214.C3.o24.np	Method	AAT/NAP
Start	46096	End	46470
GI	134056	Score	654
Exons	46096..46470		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S12 gi|100721|pir||S17913 ribosomal protein S12 - rice mitochondrion gi|769727|dbj|BAA06831.1| (D32052) ribosomal protein S12 [Oryza sativa] gi|769735|dbj|BAA04795| (D21251) ribosomal protein S12 [Oryza sativa] gi|870717 (M57904) ribosomal protein S12 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58396	Strand	-
Start	43852	End	51550
Name	OJ000250_80.0214.C3.o25.np	Method	AAT/NAP
Start	46518	End	46982
GI	100719	Score	820
Exons	46518..46982		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice mitochondrion gi|769728|dbj|BAA06832.1| (D32052) NADH dehydrogenase subunit 3 [Oryza sativa] gi|769734|dbj|BAA04794| (D21251) NADH dehydrogenase subunit 3 [Oryza sativa] gi|870716 (M57904) Nad3 protein [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58396	Strand	-

Start	43852	End	51550
Name	OJ000250_80.0214.C3.o26.np	Method	AAT/NAP
Start	48089	End	51550
GI	1173302	Score	2754
Exons	48089..49628, 51477..51550		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|769732|dbj|BAA04792| (D21251) ribosomal protein S3 [Oryza sativa]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o1.tm	Method	TBLASTX:Maize
Start	3649	End	46470
GI	none	Score	75
Exons	3649..3684, 3669..3725, 3670..3726, 3679..3732, 46091..46393, 46102..46470		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o2.tw	Method	TBLASTX:Wheat
Start	9165	End	9595
GI	none	Score	85
Exons	9165..9215, 9165..9215, 9166..9225, 9167..9217, 9210..9275, 9219..9275, 9220..9279, 9277..9336, 9278..9337, 9278..9337, 9279..9338, 9333..9395, 9338..9397, 9339..9410, 9340..9396, 9378..9458, 9386..9466, 9399..9488, 9458..9517, 9458..9517, 9459..9524, 9515..9574, 9518..9595, 9519..9575, 9520..9594		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o1.tw	Method	TBLASTX:Wheat
Start	11908	End	15134
GI	none	Score	67
Exons	11908..11937, 14705..14770, 14707..14973, 14731..14772, 14733..15134, 14733..15131		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o2.ts	Method	TBLASTX:Soybean
Start	12966	End	13257
GI	none	Score	115
Exons	12966..13097, 12967..13098, 12967..13122, 12969..13118, 13089..13247, 13108..13257, 13109..13252		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o3.tc	Method	TBLASTX:Cress
Start	18608	End	18946
GI	none	Score	47
Exons	18608..18946, 18615..18674, 18759..18932		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-

Start	60919	End	62872
Name	OJ000250_80.0214.C3.o3.ts	Method	TBLASTX:Soybean
Start	18659	End	19093
GI	none	Score	88
Exons	18659..18946, 18795..18932, 19031..19093		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o5.ts	Method	TBLASTX:Soybean
Start	19696	End	19956
GI	none	Score	88
Exons	19696..19791, 19697..19792, 19805..19954, 19805..19954, 19807..19956		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o4.tw	Method	TBLASTX:Wheat
Start	21235	End	21452
GI	none	Score	163
Exons	21235..21336, 21236..21337, 21237..21335, 21238..21336, 21329..21436, 21330..21452		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o7.tc	Method	TBLASTX:Cress
Start	33810	End	34391
GI	none	Score	60
Exons	33810..33887, 33866..33979, 33867..34040, 34136..34357, 34164..34391		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o5.tw	Method	TBLASTX:Wheat
Start	46085	End	46360
GI	none	Score	225
Exons	46085..46360, 46102..46359		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o2.tc	Method	TBLASTX:Cress
Start	46096	End	46458
GI	none	Score	257
Exons	46096..46458, 46097..46393		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o1.ts	Method	TBLASTX:Soybean
Start	46413	End	46808
GI	4397510	Score	115
Exons	46413..46808, 46417..46497, 46487..46807, 46524..46808		
GI Descrip.	2147784/pir__S71081 4.0e-53 NADH dehydrogenase chain 3 - onion		

mitochondrion >gi_1518344_emb_CAA89850_ (Z49772) NADH dehydrogenase subunit 3 [Allium cepa]

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o3.tm	Method	TBLASTX:Maize
Start	47462	End	47607
GI	none	Score	158
Exons	47462..47551, 47462..47548, 47463..47549, 47524..47607, 47546..47605, 47547..47606		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o4.tm	Method	TBLASTX:Maize
Start	47689	End	48042
GI	none	Score	92
Exons	47689..47934, 47717..47932, 47953..48042		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o4.ts	Method	TBLASTX:Soybean
Start	47692	End	48362
GI	none	Score	96
Exons	47692..47934, 47762..47935, 47953..48060, 48132..48362, 48140..48340		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o3.tw	Method	TBLASTX:Wheat
Start	47891	End	48314
GI	none	Score	43
Exons	47891..47917, 47892..47918, 47893..47919, 47918..47947, 47932..48048, 47943..48047, 47947..48057, 47948..48058, 48053..48124, 48055..48111, 48112..48171, 48115..48171, 48157..48231, 48173..48232, 48173..48241, 48204..48314, 48230..48313, 48231..48314		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o6.tc	Method	TBLASTX:Cress
Start	49118	End	49271
GI	none	Score	240
Exons	49118..49270, 49119..49271, 49119..49271		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o1.tc	Method	TBLASTX:Cress
Start	49275	End	49704
GI	none	Score	142
Exons	49275..49406, 49301..49414, 49302..49415, 49303..49416, 49421..49666, 49432..49629, 49470..49676, 49471..49677,		

49481..49684, 49664..49696, 49665..49703, 49680..49703,
49681..49704

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o4.tc	Method	TBLASTX:Cress
Start	49736	End	50260
GI	none	Score	120
Exons	49736..49801, 49736..49792, 49737..49796, 49793..49840, 49794..49850, 49795..49854, 49795..49854, 49914..49943, 49945..50037, 49945..50007, 49947..50012, 49962..50039, 50078..50107, 50084..50107, 50132..50191, 50146..50181, 50210..50233, 50230..50259, 50231..50260		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58397	Strand	-
Start	60919	End	62872
Name	OJ000250_80.0214.C3.o29.np	Method	AAT/NAP
Start	60919	End	62872
GI	4680186	Score	212
Exons	60919..61127, 62410..62493, 62813..62872		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28338	Seq. ID	OJ000250_80.0214.C3
Gene No.	58398	Strand	
Start	67579	End	67746
Name	OJ000250_80.0214.C3.o2.tm	Method	TBLASTX:Maize
Start	67579	End	67746
GI	none	Score	277
Exons	67579..67746, 67582..67746		

Seq. No.	28339	Seq. ID	OJ000250_80.0214.C4
Gene No.	58399	Strand	-
Start	39	End	900
Name	OJ000250_80.0214.C4.o1.gs	Method	GENSCAN
Start	39	End	811
GI	none	Score	.88
Exons	39..333, 721..811		

Seq. No.	28339	Seq. ID	OJ000250_80.0214.C4
Gene No.	58399	Strand	-
Start	39	End	900
Name	OJ000250_80.0214.C4.o1.gp	Method	AAT/GAP
Start	183	End	900
GI	26039_1.R1084	Score	542
Exons	183..333, 721..900		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 0.0e+00 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28340	Seq. ID	OJ000250_80.0214.C5
Gene No.	58400	Strand	+
Start	4574	End	4786
Name	OJ000250_80.0214.C5.o2.gs	Method	GENSCAN
Start	4574	End	4786
GI	none	Score	.72
Exons	4574..4659, 4729..4786		

Seq. No.	28340	Seq. ID	OJ000250_80.0214.C5
Gene No.	58401	Strand	-
Start	1071	End	4638
Name	OJ000250_80.0214.C5.o1.gs	Method	GENSCAN
Start	1071	End	2002
GI	none	Score	.55
Exons	1071..1471, 1909..2002		

Seq. No.	28340	Seq. ID	OJ000250_80.0214.C5
Gene No.	58401	Strand	-
Start	1071	End	4638
Name	OJ000250_80.0214.C5.o1.np	Method	AAT/NAP
Start	1265	End	4638
GI	5306245	Score	96
Exons	1265..1454, 4458..4638		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	28340	Seq. ID	OJ000250_80.0214.C5
Gene No.	58402	Strand	-
Start	5029	End	5109
Name	OJ000250_80.0214.C5.o3.gs	Method	GENSCAN
Start	5029	End	5109
GI	none	Score	.91
Exons	5029..5109		

Seq. No.	28341	Seq. ID	OJ000250_80.0214.C6
Gene No.	58403	Strand	+
Start	23	End	143
Name	OJ000250_80.0214.C6.o1.gs	Method	GENSCAN
Start	23	End	143
GI	none	Score	.77
Exons	23..41, 46..143		

Seq. No.	28342	Seq. ID	OJ000250_80.0214.C7
Gene No.	58404	Strand	+
Start	182	End	344
Name	OJ000250_80.0214.C7.o1.np	Method	AAT/NAP
Start	182	End	344
GI	6358772	Score	140
Exons	182..344		
GI Descrip.	(AC011665) putative menaquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	28343	Seq. ID	OJ000250_80.0214.C8
Gene No.	58405	Strand	+
Start	74	End	1494
Name	OJ000250_80.0214.C8.o1.np	Method	AAT/NAP
Start	74	End	1494
GI	6358762	Score	629
Exons	74..193, 269..511, 605..772, 923..1068, 1150..1494		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28343	Seq. ID	OJ000250_80.0214.C8
Gene No.	58405	Strand	+
Start	74	End	1494
Name	OJ000250_80.0214.C8.o1.gs	Method	GENSCAN

Start	113	End	1030
GI	none	Score	.79
Exons	113..193, 269..511, 605..772, 923..1030		

Seq. No.	28343	Seq. ID	OJ000250_80.0214.C8
Gene No.	58405	Strand	+
Start	74	End	1494
Name	OJ000250_80.0214.C8.o1.tm	Method	TBLASTX:Maize
Start	1234	End	1493
GI	none	Score	123
Exons	1234..1332, 1235..1336, 1237..1344, 1352..1492, 1353..1493		

Seq. No.	28344	Seq. ID	OJ000250_80.0214.C9
Gene No.	58406	Strand	+
Start	1	End	4617
Name	OJ000250_80.0214.C9.o1.np	Method	AAT/NAP
Start	1	End	2069
GI	6358762	Score	500
Exons	1..40, 800..1096, 1172..1329, 1468..1551, 1779..2069		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28344	Seq. ID	OJ000250_80.0214.C9
Gene No.	58406	Strand	+
Start	1	End	4617
Name	OJ000250_80.0214.C9.o1.gs	Method	GENSCAN
Start	860	End	4617
GI	none	Score	.41
Exons	860..1096, 1172..1329, 1444..1551, 1779..2004, 3266..3339, 4431..4617		

Seq. No.	28344	Seq. ID	OJ000250_80.0214.C9
Gene No.	58406	Strand	+
Start	1	End	4617
Name	OJ000250_80.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	872	End	1261
GI	none	Score	62
Exons	872..922, 968..1081, 982..1113, 1171..1206, 1178..1261		

Seq. No.	28345	Seq. ID	OJ000250_80.0214.C10
Gene No.	58407	Strand	+
Start	130	End	622
Name	OJ000250_80.0214.C10.o1.gs	Method	GENSCAN
Start	130	End	622
GI	none	Score	.79
Exons	130..304, 459..622		

Seq. No.	28345	Seq. ID	OJ000250_80.0214.C10
Gene No.	58408	Strand	+
Start	1524	End	4133
Name	OJ000250_80.0214.C10.o2.gs	Method	GENSCAN
Start	1524	End	4133
GI	none	Score	.52
Exons	1524..1538, 1615..2047, 2247..2338, 3570..3611, 3788..3879, 3971..4133		

Seq. No.	28345	Seq. ID	OJ000250_80.0214.C10
Gene No.	58409	Strand	-

Start	1509	End	2063
Name	OJ000250_80.0214.C10.o1.np	Method	AAT/NAP
Start	1509	End	2063
GI	5777619	Score	113
Exons	1509..1734, 1867..2063		
GI Descrip.	(AJ245900) CAA30377.1 protein [Oryza sativa]		

Seq. No.	28345	Seq. ID	OJ000250_80.0214.C10
Gene No.	58410	Strand	-
Start	4695	End	6046
Name	OJ000250_80.0214.C10.o3.gs	Method	GENSCAN
Start	4695	End	6046
GI	none	Score	.87
Exons	4695..5420, 5620..5948, 5992..6046		

Seq. No.	28346	Seq. ID	OJ000250_80.0214.C11
Gene No.	58411	Strand	+
Start	1764	End	1937
Name	OJ000250_80.0214.C11.o1.gs	Method	GENSCAN
Start	1764	End	1937
GI	none	Score	.86
Exons	1764..1937		

Seq. No.	28346	Seq. ID	OJ000250_80.0214.C11
Gene No.	58412	Strand	-
Start	4470	End	4601
Name	OJ000250_80.0214.C11.o2.gs	Method	GENSCAN
Start	4470	End	4601
GI	none	Score	.48
Exons	4470..4601		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58413	Strand	+
Start	337	End	771
Name	OJ000250_80.0214.C12.o1.gp	Method	AAT/GAP
Start	337	End	771
GI	none	Score	804
Exons	337..771		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58414	Strand	+
Start	3830	End	7532
Name	OJ000250_80.0214.C12.o2.gs	Method	GENSCAN
Start	3830	End	7532
GI	none	Score	.82
Exons	3830..4049, 4051..4298, 5086..5324, 5984..6140, 7458..7532		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-
Start	742	End	4258
Name	OJ000250_80.0214.C12.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1134
GI	none	Score	82
Exons	735..905, 740..835, 742..921, 1051..1134		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-

Start	742	End	4258
Name	OJ000250_80.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	740	End	1513
GI	none	Score	109
Exons	740..838, 741..899, 742..900, 753..860, 850..897, 904..954, 909..968, 930..1157, 949..1503, 964..1506, 998..1513		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-
Start	742	End	4258
Name	OJ000250_80.0214.C12.o1.np	Method	AAT/NAP
Start	742	End	3138
GI	4469012	Score	666
Exons	742..903, 946..1493, 2949..3138		
GI Descrip.	(AL035602) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-
Start	742	End	4258
Name	OJ000250_80.0214.C12.o2.gp	Method	AAT/GAP
Start	860	End	1186
GI	LIB3434-058-P1-K1-C1	Score	610
Exons	860..1186		
GI Descrip.	'4469013/emb|CAB38274| 2.0e-14 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-
Start	742	End	4258
Name	OJ000250_80.0214.C12.o2.tm	Method	TBLASTX:Maize
Start	2793	End	3157
GI	none	Score	54
Exons	2793..2876, 2794..2868, 2799..2870, 2968..3078, 2972..3079, 2973..3140, 2975..3082, 3078..3128, 3080..3157		

Seq. No.	28347	Seq. ID	OJ000250_80.0214.C12
Gene No.	58415	Strand	-
Start	742	End	4258
Name	OJ000250_80.0214.C12.o3.gp	Method	AAT/GAP
Start	2984	End	4258
GI	none	Score	789
Exons	2984..3194, 4048..4258		

Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58416	Strand	+
Start	11	End	1673
Name	OJ000250_80.0214.C13.o1.gs	Method	GENSCAN
Start	11	End	1673
GI	none	Score	.81
Exons	11..22, 274..435, 896..982, 1560..1673		

Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58417	Strand	+
Start	6806	End	7105
Name	OJ000250_80.0214.C13.o1.gp	Method	AAT/GAP
Start	6806	End	7105
GI	4716115	Score	573

Exons	6806..7105		
Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58418	Strand	-
Start	2471	End	5008
Name	OJ000250_80.0214.C13.o2.gs	Method	GENSCAN
Start	2471	End	5008
GI	none	Score	.64
Exons	2471..5008		
Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58418	Strand	-
Start	2471	End	5008
Name	OJ000250_80.0214.C13.o1.ts	Method	TBLASTX:Soybean
Start	2498	End	4474
GI	none	Score	82
Exons	2498..2944, 2519..2755, 2519..2887, 2810..2965, 2849..2998, 3056..3643, 3071..3340, 3087..3353, 3095..3778, 3386..4153, 3386..4060, 3389..4033, 3488..3613, 3492..3842, 3519..3857, 3539..3724, 3540..3725, 3591..3704, 3611..4258, 3738..4055, 3740..3931, 3771..3941, 3806..3895, 3809..4258, 3854..4024, 3906..4046, 3927..4058, 4121..4234, 4244..4474, 4250..4444, 4256..4474, 4262..4474, 4262..4456		
Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58418	Strand	-
Start	2471	End	5008
Name	OJ000250_80.0214.C13.o1.tc	Method	TBLASTX:Cress
Start	2699	End	4474
GI	none	Score	64
Exons	2699..2998, 2742..3008, 2765..3043, 2786..2977, 3026..3313, 3038..3253, 3039..3314, 3056..3154, 3071..3433, 3161..3331, 3162..3332, 3170..3334, 3171..3317, 3272..3637, 3292..3390, 3365..3574, 3383..3718, 3387..3719, 3455..3673, 3456..3635, 3491..3841, 3552..3779, 3554..3778, 3578..3952, 3656..3916, 3698..4072, 3747..3812, 3761..3985, 3800..4150, 3801..3944, 3864..3977, 3866..4078, 3884..4255, 3885..4046, 4007..4279, 4250..4453, 4256..4474, 4274..4474, 4292..4474		
Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58418	Strand	-
Start	2471	End	5008
Name	OJ000250_80.0214.C13.o1.np	Method	AAT/NAP
Start	3020	End	4547
GI	6598842	Score	666
Exons	3020..4547		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		
Seq. No.	28348	Seq. ID	OJ000250_80.0214.C13
Gene No.	58418	Strand	-
Start	2471	End	5008
Name	OJ000250_80.0214.C13.o1.tm	Method	TBLASTX:Maize
Start	3098	End	4393
GI	none	Score	188
Exons	3098..3244, 3098..3229, 3211..3369, 3228..3380, 3228..3377, 3233..3382, 3479..3565, 3770..3898, 3771..3857, 3771..3881, 3875..3982, 3968..4069, 3972..4055, 4283..4393		

Seq. No.	28349	Seq. ID	OJ000250_80.0214.C14
Gene No.	58419	Strand	-
Start	1530	End	1852
Name	OJ000250_80.0214.C14.o1.gs	Method	GENSCAN
Start	1530	End	1852
GI	none	Score	.77
Exons	1530..1632, 1755..1852		

Seq. No.	28349	Seq. ID	OJ000250_80.0214.C14
Gene No.	58420	Strand	-
Start	2772	End	2916
Name	OJ000250_80.0214.C14.o1.gp	Method	AAT/GAP
Start	2772	End	2916
GI	3683_1.R1084	Score	194
Exons	2772..2916		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	28349	Seq. ID	OJ000250_80.0214.C14
Gene No.	58421	Strand	-
Start	3155	End	3535
Name	OJ000250_80.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	1921
GI	none	Score	91
Exons	3..113, 12..113, 61..141, 1518..1634, 1521..1634, 1525..1635, 1747..1920, 1748..1921		

Seq. No.	28349	Seq. ID	OJ000250_80.0214.C14
Gene No.	58421	Strand	-
Start	3155	End	3535
Name	OJ000250_80.0214.C14.o2.gp	Method	AAT/GAP
Start	3155	End	3535
GI	92678_1.R1084	Score	463
Exons	3155..3219, 3291..3535		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 9.0e-67 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	28350	Seq. ID	OJ000250_80.0214.C15
Gene No.	58422	Strand	-
Start	1083	End	1438
Name	OJ000250_80.0214.C15.o1.gp	Method	AAT/GAP
Start	1083	End	1438
GI	5038862	Score	627
Exons	1083..1438		

Seq. No.	28351	Seq. ID	OJ000250_80.0214.C17
Gene No.	58423	Strand	-
Start	221	End	277
Name	OJ000250_80.0214.C17.o1.gs	Method	GENSCAN
Start	221	End	277
GI	none	Score	.7
Exons	221..277		

Seq. No.	28352	Seq. ID	OJ000250_80.0214.C18
Gene No.	58424	Strand	+
Start	212	End	298

Name	OJ000250_80.0214.C18.o1.gs	Method	GENSCAN
Start	212	End	298
GI	none	Score	.85
Exons	212..298		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58425	Strand	+
Start	1	End	3176
Name	OJ000250_80.0214.C19.o1.np	Method	AAT/NAP
Start	1	End	2870
GI	1065484	Score	144
Exons	1..93, 1216..1316, 1502..1687, 2471..2658, 2806..2870		
GI Descrip.	(U40415) similar to S. cerevisiae LAG1 (SP:P38703) [Caenorhabditis elegans]		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58425	Strand	+
Start	1	End	3176
Name	OJ000250_80.0214.C19.o1.gp	Method	AAT/GAP
Start	842	End	1206
GI	none	Score	458
Exons	842..1076, 1161..1206		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58425	Strand	+
Start	1	End	3176
Name	OJ000250_80.0214.C19.o1.gs	Method	GENSCAN
Start	852	End	3176
GI	none	Score	.52
Exons	852..1075, 1161..1316, 1502..1687, 2477..2658, 3052..3176		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58426	Strand	-
Start	2694	End	3115
Name	OJ000250_80.0214.C19.o1.tm	Method	TBLASTX:Maize
Start	876	End	1691
GI	none	Score	314
Exons	876..1076, 938..1078, 938..1072, 1159..1317, 1159..1320, 1499..1687, 1500..1685, 1503..1691		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58426	Strand	-
Start	2694	End	3115
Name	OJ000250_80.0214.C19.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1667
GI	none	Score	294
Exons	876..1076, 913..1077, 938..1078, 938..1084, 1158..1328, 1165..1317, 1499..1612, 1500..1667		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58426	Strand	-
Start	2694	End	3115
Name	OJ000250_80.0214.C19.o1.tc	Method	TBLASTX:Cress
Start	906	End	1060
GI	none	Score	258
Exons	906..1058, 938..1060, 938..1060		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58426	Strand	-
Start	2694	End	3115
Name	OJ000250_80.0214.C19.o2.tm	Method	TBLASTX:Maize
Start	2507	End	2885
GI	none	Score	225
Exons	2507..2656, 2507..2656, 2847..2885		

Seq. No.	28353	Seq. ID	OJ000250_80.0214.C19
Gene No.	58426	Strand	-
Start	2694	End	3115
Name	OJ000250_80.0214.C19.o2.gp	Method	AAT/GAP
Start	2694	End	3115
GI	LIB3433-036-P1-K1-F4	Score	763
Exons	2694..3115		
GI Descrip.	'3821780/emb|AJ009303.1|XLAJ9303 5.0e-10 Xenopus laevis cDNA clone 27A6-1'		

Seq. No.	28354	Seq. ID	OJ000250_80.0214.C21
Gene No.	58427	Strand	+
Start	5	End	435
Name	OJ000250_80.0214.C21.o1.gs	Method	GENSCAN
Start	5	End	435
GI	none	Score	.98
Exons	5..10, 135..435		

Seq. No.	28354	Seq. ID	OJ000250_80.0214.C21
Gene No.	58427	Strand	+
Start	5	End	435
Name	OJ000250_80.0214.C21.o1.gp	Method	AAT/GAP
Start	135	End	389
GI	5038975	Score	474
Exons	135..389		

Seq. No.	28355	Seq. ID	OJ000250_80.0214.C22
Gene No.	58428	Strand	-
Start	1	End	572
Name	OJ000250_80.0214.C22.o1.np	Method	AAT/NAP
Start	1	End	572
GI	6358772	Score	209
Exons	1..341, 463..572		
GI Descrip.	(AC011665) putative menaquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	28356	Seq. ID	OJ000250_80.0214.C23
Gene No.	58429	Strand	+
Start	126	End	303
Name	OJ000250_80.0214.C23.o1.gs	Method	GENSCAN
Start	126	End	303
GI	none	Score	.49
Exons	126..303		

Seq. No.	28357	Seq. ID	OJ000250_80.0214.C24
Gene No.	58430	Strand	+
Start	163	End	1093
Name	OJ000250_80.0214.C24.o1.np	Method	AAT/NAP
Start	163	End	1093

GI	6358772	Score	388
Exons	163..275, 338..532, 764..862, 1031..1093		
GI Descrip.	(AC011665) putative menaquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	28358	Seq. ID	OJ000250_80.0214.C26
Gene No.	58431	Strand	-
Start	104	End	1973
Name	OJ000250_80.0214.C26.o1.gs	Method	GENSCAN
Start	104	End	1973
GI	none	Score	.59
Exons	104..268, 1611..1734, 1770..1973		

Seq. No.	28359	Seq. ID	OJ000250_80.0214.C27
Gene No.	58432	Strand	-
Start	1238	End	1503
Name	OJ000250_80.0214.C27.o1.gs	Method	GENSCAN
Start	1238	End	1503
GI	none	Score	.93
Exons	1238..1335, 1452..1503		

Seq. No.	28360	Seq. ID	OJ000250_80.0214.C28
Gene No.	58433	Strand	+
Start	530	End	1044
Name	OJ000250_80.0214.C28.o1.gp	Method	AAT/GAP
Start	530	End	1044
GI	none	Score	367
Exons	530..685, 965..1044		

Seq. No.	28360	Seq. ID	OJ000250_80.0214.C28
Gene No.	58434	Strand	-
Start	932	End	1108
Name	OJ000250_80.0214.C28.o1.gs	Method	GENSCAN
Start	932	End	1108
GI	none	Score	.96
Exons	932..1108		

Seq. No.	28361	Seq. ID	OJ000250_80.0214.C29
Gene No.	58435	Strand	-
Start	363	End	683
Name	OJ000250_80.0214.C29.o1.gs	Method	GENSCAN
Start	363	End	683
GI	none	Score	.76
Exons	363..480, 563..683		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o1.np	Method	AAT/NAP
Start	81	End	2262
GI	100484	Score	1370
Exons	81..245, 288..2262		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370

Name	OJ000250_80.0214.C32.o2.ts	Method	TBLASTX:Soybean
Start	471	End	764
GI	none	Score	221
Exons	471..764, 579..764		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o3.tw	Method	TBLASTX:Wheat
Start	495	End	890
GI	none	Score	161
Exons	495..764, 774..890		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o2.tm	Method	TBLASTX:Maize
Start	699	End	1165
GI	none	Score	103
Exons	699..779, 750..788, 771..851, 773..838, 838..981, 846..1163, 854..1165, 1048..1164		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o1.tc	Method	TBLASTX:Cress
Start	767	End	1118
GI	none	Score	106
Exons	767..874, 771..875, 897..1118, 953..1114		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o2.tw	Method	TBLASTX:Wheat
Start	906	End	1205
GI	none	Score	266
Exons	906..1205, 912..1139, 917..1177		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o3.tm	Method	TBLASTX:Maize
Start	1318	End	1790
GI	none	Score	237
Exons	1318..1518, 1320..1571, 1323..1535, 1596..1790, 1601..1786		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o4.tw	Method	TBLASTX:Wheat
Start	1512	End	1811
GI	none	Score	155
Exons	1512..1712, 1574..1711, 1719..1778, 1719..1811		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370

Name	OJ000250_80.0214.C32.o1.tm	Method	TBLASTX:Maize
Start	1814	End	2302
GI	none	Score	82
Exons	1814..1873, 1815..1880, 1852..2301, 1861..2298, 1862..2302, 1862..2302		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	2253
GI	none	Score	116
Exons	1861..1998, 1896..1973, 1991..2077, 2011..2253, 2157..2252		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58436	Strand	+
Start	81	End	2370
Name	OJ000250_80.0214.C32.o1.tw	Method	TBLASTX:Wheat
Start	1912	End	2370
GI	none	Score	317
Exons	1912..2370, 2157..2312		

Seq. No.	28362	Seq. ID	OJ000250_80.0214.C32
Gene No.	58437	Strand	
Start	2303	End	2547
Name	OJ000250_80.0214.C32.o4.tm	Method	TBLASTX:Maize
Start	2303	End	2547
GI	none	Score	217
Exons	2303..2419, 2304..2540, 2304..2540, 2305..2547, 2480..2542		

Seq. No.	28363	Seq. ID	OJ000250_80.0214.C33
Gene No.	58438	Strand	+
Start	1500	End	2864
Name	OJ000250_80.0214.C33.o1.gs	Method	GENSCAN
Start	1500	End	2864
GI	none	Score	.63
Exons	1500..1638, 2270..2487, 2583..2864		

Seq. No.	28364	Seq. ID	OJ000250_80.0214.C34
Gene No.	58439	Strand	-
Start	579	End	768
Name	OJ000250_80.0214.C34.o1.gp	Method	AAT/GAP
Start	579	End	768
GI	none	Score	330
Exons	579..768		

Seq. No.	28364	Seq. ID	OJ000250_80.0214.C34
Gene No.	58439	Strand	-
Start	579	End	768
Name	OJ000250_80.0214.C34.o1.gs	Method	GENSCAN
Start	579	End	728
GI	none	Score	.66
Exons	579..728		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186

Name	OJ000250_80.0214.C36.o1.gs	Method	GENSCAN
Start	627	End	6186
GI	none	Score	.89
Exons	627..1392, 1431..1459, 1684..6186		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.gp	Method	AAT/GAP
Start	902	End	1356
GI	95437_1.R1084	Score	766
Exons	902..1356		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.np	Method	AAT/NAP
Start	1681	End	6183
GI	4680179	Score	5435
Exons	1681..2748, 2782..6183		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o7.tw	Method	TBLASTX:Wheat
Start	1897	End	2259
GI	none	Score	295
Exons	1897..2259, 1899..2258		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o6.tm	Method	TBLASTX:Maize
Start	2140	End	2445
GI	none	Score	232
Exons	2140..2445, 2154..2270		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o9.tw	Method	TBLASTX:Wheat
Start	2260	End	2490
GI	none	Score	175
Exons	2260..2490		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o7.tm	Method	TBLASTX:Maize
Start	2803	End	3126
GI	none	Score	188
Exons	2803..3126		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o8.tw	Method	TBLASTX:Wheat
Start	2809	End	3231
GI	none	Score	163
Exons	2809..3018, 2865..2957, 3063..3176, 3064..3231		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o4.tw	Method	TBLASTX:Wheat
Start	3346	End	3828
GI	none	Score	52
Exons	3346..3396, 3450..3785, 3451..3828, 3460..3825		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o5.tm	Method	TBLASTX:Maize
Start	3358	End	3647
GI	none	Score	276
Exons	3358..3645, 3454..3645, 3456..3647		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o2.tc	Method	TBLASTX:Cress
Start	3475	End	3792
GI	none	Score	180
Exons	3475..3792		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o3.tm	Method	TBLASTX:Maize
Start	3715	End	4215
GI	none	Score	167
Exons	3715..3894, 3723..3869, 3901..4215, 4041..4094, 4122..4172		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.ts	Method	TBLASTX:Soybean
Start	3769	End	4164
GI	none	Score	57
Exons	3769..3801, 3771..3800, 3805..4164, 3807..3845, 3873..4163		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o5.tw	Method	TBLASTX:Wheat
Start	3877	End	4179
GI	none	Score	369
Exons	3877..4179, 3879..4163		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36

Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o3.tw	Method	TBLASTX:Wheat
Start	4180	End	4602
GI	none	Score	598
Exons	4180..4602, 4212..4601		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o3.ts	Method	TBLASTX:Soybean
Start	4186	End	4431
GI	none	Score	207
Exons	4186..4431, 4203..4430		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o2.tm	Method	TBLASTX:Maize
Start	4251	End	4614
GI	none	Score	478
Exons	4251..4601, 4252..4605, 4252..4614		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o2.tw	Method	TBLASTX:Wheat
Start	4605	End	5173
GI	none	Score	643
Exons	4605..5168, 4636..5172, 4925..5173		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.tc	Method	TBLASTX:Cress
Start	4879	End	5196
GI	none	Score	87
Exons	4879..5043, 5053..5196, 5055..5195		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o2.ts	Method	TBLASTX:Soybean
Start	4960	End	5220
GI	none	Score	294
Exons	4960..5220, 4965..5219		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o4.tm	Method	TBLASTX:Maize
Start	5018	End	5310
GI	none	Score	97
Exons	5018..5206, 5019..5306, 5020..5310		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+

Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.tw	Method	TBLASTX:Wheat
Start	5179	End	5805
GI	none	Score	708
Exons	5179..5805, 5235..5693, 5680..5802		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o1.tm	Method	TBLASTX:Maize
Start	5359	End	5958
GI	none	Score	231
Exons	5359..5520, 5367..5513, 5518..5958, 5520..5942		

Seq. No.	28365	Seq. ID	OJ000250_80.0214.C36
Gene No.	58440	Strand	+
Start	627	End	6186
Name	OJ000250_80.0214.C36.o6.tw	Method	TBLASTX:Wheat
Start	5805	End	6138
GI	none	Score	326
Exons	5805..6074, 5806..6138, 5809..6117		

Seq. No.	28366	Seq. ID	OJ000250_80.0214.C37
Gene No.	58441	Strand	+
Start	241	End	351
Name	OJ000250_80.0214.C37.o1.gs	Method	GENSCAN
Start	241	End	351
GI	none	Score	.7
Exons	241..351		

Seq. No.	28367	Seq. ID	OJ000250_80.0214.C40
Gene No.	58442	Strand	
Start	48	End	215
Name	OJ000250_80.0214.C40.o1.tm	Method	TBLASTX:Maize
Start	48	End	215
GI	none	Score	272
Exons	48..212, 48..215, 85..213		

Seq. No.	28368	Seq. ID	OJ000250_88.0223.C1
Gene No.	58443	Strand	+
Start	1	End	305
Name	OJ000250_88.0223.C1.o1.gp	Method	AAT/GAP
Start	1	End	252
GI	1629_2.R1084	Score	456
Exons	1..252		
GI Descrip.	'1245217/gb|U49840|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	28368	Seq. ID	OJ000250_88.0223.C1
Gene No.	58443	Strand	+
Start	1	End	305
Name	OJ000250_88.0223.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	305
GI	none	Score	116
Exons	1..126, 2..130, 2..130, 36..140, 78..146, 82..147, 121..303, 132..305, 136..303		

Seq. No.	28368	Seq. ID	OJ000250_88.0223.C1
Gene No.	58443	Strand	+
Start	1	End	305
Name	OJ000250_88.0223.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	305
GI	none	Score	64
Exons	1..27, 1..30, 14..130, 33..140, 78..146, 128..304, 131..304, 132..305		

Seq. No.	28368	Seq. ID	OJ000250_88.0223.C1
Gene No.	58443	Strand	+
Start	1	End	305
Name	OJ000250_88.0223.C1.o1.tm	Method	TBLASTX:Maize
Start	103	End	286
GI	none	Score	45
Exons	103..135, 104..130, 129..284, 131..286, 132..284		

Seq. No.	28369	Seq. ID	OJ000250_88.0223.C2
Gene No.	58444	Strand	+
Start	375	End	693
Name	OJ000250_88.0223.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	182
GI	none	Score	265
Exons	1..180, 2..181, 2..181, 3..182, 3..182		

Seq. No.	28369	Seq. ID	OJ000250_88.0223.C2
Gene No.	58444	Strand	+
Start	375	End	693
Name	OJ000250_88.0223.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	339
GI	none	Score	59
Exons	2..91, 5..85, 78..140, 99..137, 168..218, 199..276, 204..275, 214..276, 269..301, 270..311, 270..320, 271..339, 272..337		

Seq. No.	28369	Seq. ID	OJ000250_88.0223.C2
Gene No.	58444	Strand	+
Start	375	End	693
Name	OJ000250_88.0223.C2.o1.ts	Method	TBLASTX:Soybean
Start	4	End	360
GI	none	Score	46
Exons	4..60, 5..31, 14..85, 38..151, 70..168, 78..152, 87..221, 174..203, 202..276, 210..296, 214..288, 240..359, 255..320, 256..360, 271..357, 272..358		

Seq. No.	28369	Seq. ID	OJ000250_88.0223.C2
Gene No.	58444	Strand	+
Start	375	End	693
Name	OJ000250_88.0223.C2.o1.tm	Method	TBLASTX:Maize
Start	268	End	691
GI	none	Score	175
Exons	268..381, 269..379, 360..386, 381..443, 383..442, 442..522, 446..520, 448..522, 527..565, 528..563, 570..632, 570..617, 572..634, 664..687, 665..691		

Seq. No.	28369	Seq. ID	OJ000250_88.0223.C2
Gene No.	58444	Strand	+

Start	375	End	693
Name	OJ000250_88.0223.C2.o1.gp	Method	AAT/GAP
Start	375	End	693
GI	2409_1.R1084	Score	357
Exons	375..398, 497..693		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	28370	Seq. ID	OJ000250_88.0223.C3
Gene No.	58445	Strand	-
Start	1	End	169
Name	OJ000250_88.0223.C3.o1.gp	Method	AAT/GAP
Start	1	End	169
GI	306_9.R1084	Score	329
Exons	1..169		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	28370	Seq. ID	OJ000250_88.0223.C3
Gene No.	58445	Strand	-
Start	1	End	169
Name	OJ000250_88.0223.C3.o1.tc	Method	TBLASTX:Cress
Start	1	End	169
GI	none	Score	228
Exons	1..60, 2..169, 3..167, 130..168		

Seq. No.	28370	Seq. ID	OJ000250_88.0223.C3
Gene No.	58445	Strand	-
Start	1	End	169
Name	OJ000250_88.0223.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	95
GI	none	Score	146
Exons	1..81, 2..94, 3..95		

Seq. No.	28371	Seq. ID	OJ000250_88.0223.C4
Gene No.	58446	Strand	-
Start	313	End	445
Name	OJ000250_88.0223.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	433
GI	none	Score	354
Exons	1..261, 3..263, 3..263, 10..303, 252..431, 260..433, 286..432		

Seq. No.	28371	Seq. ID	OJ000250_88.0223.C4
Gene No.	58446	Strand	-
Start	313	End	445
Name	OJ000250_88.0223.C4.o1.ts	Method	TBLASTX:Soybean
Start	196	End	443
GI	none	Score	324
Exons	196..438, 197..439, 198..440, 198..443		

Seq. No.	28371	Seq. ID	OJ000250_88.0223.C4
Gene No.	58446	Strand	-
Start	313	End	445

Name	OJ000250_88.0223.C4.o1.gp	Method	AAT/GAP
Start	313	End	445
GI	688_1.R1084	Score	250
Exons	313..445		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	28372	Seq. ID	OJ000250_88.0223.C7
Gene No.	58447	Strand	+
Start	242	End	340
Name	OJ000250_88.0223.C7.o1.gp	Method	AAT/GAP
Start	242	End	340
GI	2669_1.R1084	Score	165
Exons	242..340		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58448	Strand	+
Start	480	End	682
Name	OJ000250_88.0223.C8.o1.gp	Method	AAT/GAP
Start	480	End	682
GI	6012822	Score	337
Exons	480..682		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o1.tc	Method	TBLASTX:Cress
Start	2	End	1805
GI	none	Score	120
Exons	2..85, 3..86, 1072..1152, 1074..1418, 1080..1418, 1082..1420, 1207..1425, 1377..1574, 1412..1612, 1418..1609, 1630..1803, 1677..1805, 1686..1805		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o2.ts	Method	TBLASTX:Soybean
Start	88	End	1617
GI	none	Score	40
Exons	88..210, 161..211, 196..258, 219..257, 306..341, 311..343, 375..443, 394..456, 409..441, 535..618, 537..605, 538..612, 775..813, 829..864, 865..900, 975..1574, 980..1039, 981..1592, 995..1615, 1073..1615, 1195..1617		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o12.ts	Method	TBLASTX:Soybean
Start	1714	End	1907
GI	none	Score	280
Exons	1714..1905, 1716..1907, 1717..1905		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8

Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	1888	End	4179
GI	none	Score	67
Exons	1888..1941, 3732..4148, 3732..4148, 3733..4149, 3733..4149, 4120..4179		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o6.ts	Method	TBLASTX:Soybean
Start	1908	End	2157
GI	none	Score	125
Exons	1908..2030, 1908..2033, 1909..2031, 2024..2146, 2024..2155, 2032..2157, 2032..2157		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o10.ts	Method	TBLASTX:Soybean
Start	2616	End	2877
GI	none	Score	135
Exons	2616..2711, 2618..2710, 2694..2876, 2708..2875, 2716..2877		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o11.tc	Method	TBLASTX:Cress
Start	2825	End	3050
GI	none	Score	218
Exons	2825..3022, 2826..3029, 2826..3050		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o4.ts	Method	TBLASTX:Soybean
Start	2985	End	4486
GI	none	Score	209
Exons	2985..3056, 3186..3419, 3195..3518, 3196..3537, 3197..3538, 3795..3830, 3857..3910, 3863..3907, 3948..4250, 3970..4251, 3983..4261, 4299..4343, 4303..4344, 4343..4486, 4344..4469, 4346..4480		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o9.tc	Method	TBLASTX:Cress
Start	3195	End	3520
GI	none	Score	210
Exons	3195..3425, 3195..3419, 3196..3519, 3197..3520		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	3726	End	3962

GI	none	Score	78
Exons	3726..3773, 3727..3777, 3727..3777, 3773..3862, 3781..3852, 3861..3908, 3864..3914, 3865..3918, 3866..3919, 3918..3962, 3918..3962		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o6.tc	Method	TBLASTX:Cress
Start	3969	End	4486
GI	none	Score	213
Exons	3969..4172, 3969..4172, 3970..4173, 4167..4256, 4168..4245, 4326..4343, 4343..4486, 4344..4484		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o11.ts	Method	TBLASTX:Soybean
Start	4487	End	4762
GI	none	Score	270
Exons	4487..4762, 4494..4730, 4666..4761		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o10.tc	Method	TBLASTX:Cress
Start	4512	End	4793
GI	none	Score	106
Exons	4512..4586, 4512..4625, 4519..4632, 4519..4632, 4520..4633, 4632..4793, 4634..4792		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o3.tm	Method	TBLASTX:Maize
Start	4716	End	9456
GI	none	Score	163
Exons	4716..4910, 4772..4909, 5004..5159, 5018..5158, 9346..9456		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o3.ts	Method	TBLASTX:Soybean
Start	4763	End	9471
GI	none	Score	722
Exons	4763..5188, 4764..5264, 5225..5263, 9331..9471		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o3.tc	Method	TBLASTX:Cress
Start	4794	End	5333
GI	none	Score	48
Exons	4794..4904, 4875..5288, 4879..5169, 4883..5332, 4886..5266, 4890..5333		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8

Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o4.tc	Method	TBLASTX:Cress
Start	5385	End	5843
GI	none	Score	586
Exons	5385..5843, 5387..5740		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o2.tm	Method	TBLASTX:Maize
Start	5466	End	5915
GI	none	Score	633
Exons	5466..5888, 5466..5915		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o9.ts	Method	TBLASTX:Soybean
Start	5544	End	5798
GI	none	Score	317
Exons	5544..5795, 5546..5734, 5560..5790, 5562..5798, 5665..5796		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o5.tc	Method	TBLASTX:Cress
Start	6059	End	6696
GI	none	Score	268
Exons	6059..6289, 6059..6241, 6061..6288, 6305..6391, 6328..6405, 6330..6419, 6489..6686, 6490..6687, 6518..6685, 6518..6694, 6565..6696		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o1.ts	Method	TBLASTX:Soybean
Start	6060	End	7015
GI	none	Score	90
Exons	6060..6146, 6060..6143, 6061..6432, 6062..6436, 6178..6444, 6487..6687, 6521..6685, 6545..6724, 6565..6729, 6724..6918, 6727..6921, 6728..6928, 6926..7015, 6978..7010, 6979..7014		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o8.tc	Method	TBLASTX:Cress
Start	8587	End	8915
GI	none	Score	320
Exons	8587..8652, 8601..8915, 8602..8901		

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o7.ts	Method	TBLASTX:Soybean
Start	8608	End	8894
GI	none	Score	366

Exons	8608..8892, 8610..8894, 8613..8894		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o5.ts	Method	TBLASTX:Soybean
Start	8972	End	9329
GI	none	Score	395
Exons	8972..9313, 8973..9329, 8974..9279		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o7.tc	Method	TBLASTX:Cress
Start	9090	End	9542
GI	none	Score	110
Exons	9090..9542, 9091..9165, 9205..9483		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o2.tc	Method	TBLASTX:Cress
Start	9562	End	10053
GI	none	Score	684
Exons	9562..10053, 9566..9892, 9636..10052, 9946..10053		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o8.ts	Method	TBLASTX:Soybean
Start	9724	End	9966
GI	none	Score	358
Exons	9724..9966, 9724..9900, 9726..9965		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o2.gp	Method	AAT/GAP
Start	10779	End	11220
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	10779..11220		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		
Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o13.ts	Method	TBLASTX:Soybean
Start	10852	End	11351
GI	none	Score	196
Exons	10852..11007, 10855..11028, 10862..11029, 10862..11035, 11166..11261, 11167..11259, 11167..11307, 11247..11351,		

11248..11331, 11249..11332, 11268..11351

Seq. No.	28373	Seq. ID	OJ000250_88.0223.C8
Gene No.	58449	Strand	+
Start	10779	End	11351
Name	OJ000250_88.0223.C8.o4.tm	Method	TBLASTX:Maize
Start	10986	End	11262
GI	none	Score	53
Exons	10986..11027, 10986..11027, 10987..11043, 10987..11028, 11039..11065, 11040..11066, 11061..11126, 11069..11107, 11078..11143, 11083..11148, 11140..11262, 11154..11258		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58450	Strand	+
Start	1083	End	1455
Name	OJ000250_88.0223.C9.o1.gp	Method	AAT/GAP
Start	1083	End	1455
GI	LIB3431-005-P1-N1-A5	Score	695
Exons	1083..1455		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOSPHOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOSPHOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1645
GI	none	Score	1442
Exons	1..1263, 20..1264, 746..1270, 1401..1583, 1402..1626, 1403..1633, 1409..1645		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o3.tc	Method	TBLASTX:Cress
Start	1	End	211
GI	none	Score	68
Exons	1..210, 3..86, 68..211		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	322	End	777
GI	none	Score	138
Exons	322..477, 325..702, 329..703, 713..775, 715..777		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o4.tm	Method	TBLASTX:Maize
Start	1221	End	1505

GI	none	Score	53
Exons	1221..1262, 1221..1262, 1222..1278, 1222..1263, 1274..1300, 1275..1301, 1296..1361, 1304..1342, 1313..1378, 1318..1383, 1375..1467, 1389..1505, 1395..1505		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o2.gp	Method	AAT/GAP
Start	1602	End	2036
GI	5886_1.R1084	Score	840
Exons	1602..2036		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58451	Strand	-
Start	1602	End	2036
Name	OJ000250_88.0223.C9.o3.tm	Method	TBLASTX:Maize
Start	1716	End	1986
GI	none	Score	107
Exons	1716..1775, 1716..1775, 1717..1776, 1717..1776, 1764..1985, 1765..1986, 1817..1867, 1817..1864, 1873..1986		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58452	Strand	
Start	3425	End	3748
Name	OJ000250_88.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	3425	End	3748
GI	none	Score	79
Exons	3425..3508, 3427..3507, 3511..3597, 3512..3598, 3512..3601, 3514..3603, 3696..3746, 3698..3748, 3698..3748		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58452	Strand	
Start	3425	End	3748
Name	OJ000250_88.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	3439	End	3719
GI	none	Score	104
Exons	3439..3513, 3440..3511, 3440..3514, 3492..3719, 3493..3717, 3510..3719		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58453	Strand	
Start	3680	End	4185
Name	OJ000250_88.0223.C9.o2.tc	Method	TBLASTX:Cress
Start	3680	End	4185
GI	none	Score	76
Exons	3680..3736, 3683..3757, 3745..3795, 3746..3796, 3829..4008, 3831..4007, 3832..4026, 3983..4090, 4008..4070, 4009..4086, 4138..4185, 4147..4185		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58454	Strand	
Start	4122	End	4486
Name	OJ000250_88.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	4122	End	4472

GI	none	Score	338
Exons	4122..4337, 4127..4336, 4138..4419, 4147..4338, 4326..4460, 4328..4462, 4334..4462, 4335..4472		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58454	Strand	
Start	4122	End	4486
Name	OJ000250_88.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	4133	End	4352
GI	none	Score	359
Exons	4133..4351, 4134..4352		

Seq. No.	28374	Seq. ID	OJ000250_88.0223.C9
Gene No.	58454	Strand	
Start	4122	End	4486
Name	OJ000250_88.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	4354	End	4486
GI	none	Score	227
Exons	4354..4485, 4355..4486		

Seq. No.	28375	Seq. ID	OJ000250_88.0223.C10
Gene No.	58456	Strand	+
Start	202	End	1170
Name	OJ000250_88.0223.C10.o2.ts	Method	TBLASTX:Soybean
Start	1	End	372
GI	none	Score	54
Exons	1..27, 2..52, 52..114, 63..116, 64..114, 65..115, 117..209, 123..218, 127..201, 129..206, 198..251, 199..252, 212..265, 248..277, 256..372, 284..340, 291..371		

Seq. No.	28375	Seq. ID	OJ000250_88.0223.C10
Gene No.	58456	Strand	+
Start	202	End	1170
Name	OJ000250_88.0223.C10.o1.ts	Method	TBLASTX:Soybean
Start	624	End	1170
GI	none	Score	63
Exons	624..710, 624..710, 625..711, 626..754, 696..902, 706..894, 710..901, 871..1017, 887..1021, 891..971, 892..1014, 896..1024, 1000..1170, 1016..1168		

Seq. No.	28375	Seq. ID	OJ000250_88.0223.C10
Gene No.	58456	Strand	+
Start	202	End	1170
Name	OJ000250_88.0223.C10.o3.tc	Method	TBLASTX:Cress
Start	1023	End	1170
GI	none	Score	233
Exons	1023..1169, 1024..1170, 1025..1168		

Seq. No.	28376	Seq. ID	OJ000250_88.0223.C15
Gene No.	58457	Strand	+
Start	1	End	243
Name	OJ000250_88.0223.C15.o1.gp	Method	AAT/GAP
Start	1	End	243
GI	306_9.R1084	Score	486
Exons	1..243		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	28376	Seq. ID	OJ000250_88.0223.C15
Gene No.	58457	Strand	+
Start	1	End	243
Name	OJ000250_88.0223.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	241
GI	none	Score	419
Exons	2..241, 2..241, 116..160, 117..161		

Seq. No.	28376	Seq. ID	OJ000250_88.0223.C15
Gene No.	58457	Strand	+
Start	1	End	243
Name	OJ000250_88.0223.C15.o1.tw	Method	TBLASTX:Wheat
Start	2	End	242
GI	none	Score	348
Exons	2..235, 2..235, 116..160, 117..161, 209..241, 210..242		

Seq. No.	28376	Seq. ID	OJ000250_88.0223.C15
Gene No.	58457	Strand	+
Start	1	End	243
Name	OJ000250_88.0223.C15.o1.tc	Method	TBLASTX:Cress
Start	20	End	241
GI	none	Score	125
Exons	20..118, 24..116, 146..184, 185..241, 187..240		

Seq. No.	28377	Seq. ID	OJ000250_88.0223.C18
Gene No.	58458	Strand	-
Start	3031	End	3457
Name	OJ000250_88.0223.C18.o1.gp	Method	AAT/GAP
Start	3031	End	3457
GI	4878407	Score	680
Exons	3031..3457		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	28378	Seq. ID	OJ000250_88.0223.C20
Gene No.	58459	Strand	
Start	1	End	985
Name	OJ000250_88.0223.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	960
GI	none	Score	78
Exons	1..84, 8..82, 77..238, 79..237, 80..250, 230..460, 231..461, 234..470, 235..471, 467..502, 470..589, 471..500, 494..586, 495..593, 505..597, 669..716, 676..774, 677..775, 770..847, 770..847, 771..848, 771..848, 784..852, 845..919, 846..956, 846..959, 859..960		

Seq. No.	28378	Seq. ID	OJ000250_88.0223.C20
Gene No.	58459	Strand	
Start	1	End	985
Name	OJ000250_88.0223.C20.o1.tw	Method	TBLASTX:Wheat
Start	183	End	608
GI	none	Score	49
Exons	183..212, 346..534, 353..463, 354..470, 450..503, 469..510, 522..608, 533..598, 534..608		

Seq. No.	28378	Seq. ID	OJ000250_88.0223.C20

Gene No.	58459	Strand	
Start	1	End	985
Name	OJ000250_88.0223.C20.o1.ts	Method	TBLASTX:Soybean
Start	322	End	589
GI	none	Score	165
Exons	322..471, 344..505, 361..471, 461..511, 467..589, 468..584, 493..585		

Seq. No.	28378	Seq. ID	OJ000250_88.0223.C20
Gene No.	58459	Strand	
Start	1	End	985
Name	OJ000250_88.0223.C20.o1.tc	Method	TBLASTX:Cress
Start	849	End	985
GI	none	Score	133
Exons	849..965, 852..983, 859..972, 859..984, 962..985		

Seq. No.	28379	Seq. ID	OJ000250_88.0223.C21
Gene No.	58460	Strand	+
Start	6868	End	7414
Name	OJ000250_88.0223.C21.o1.tc	Method	TBLASTX:Cress
Start	4403	End	7411
GI	none	Score	91
Exons	4403..4792, 4585..4911, 4604..4813, 4652..4993, 4721..4933, 4754..5107, 4775..5026, 4853..5203, 4963..5211, 4964..5332, 5000..5116, 5009..5248, 5069..5431, 5141..5353, 5170..5388, 5171..5545, 5246..5413, 5264..5623, 5384..5752, 5447..5839, 5552..5773, 5588..5938, 5636..5866, 5681..6049, 5738..5983, 5788..6066, 5789..6106, 5876..6088, 6353..6469, 6449..6805, 6491..6718, 6686..6889, 6746..7120, 6791..7024, 6800..7198, 6926..7138, 6932..7312, 7001..7198, 7106..7309, 7241..7396, 7241..7405, 7241..7405, 7274..7411		

Seq. No.	28379	Seq. ID	OJ000250_88.0223.C21
Gene No.	58460	Strand	+
Start	6868	End	7414
Name	OJ000250_88.0223.C21.o1.ts	Method	TBLASTX:Soybean
Start	4445	End	7414
GI	none	Score	93
Exons	4445..4765, 4499..4840, 4628..4945, 5024..5371, 5153..5470, 5234..5596, 5447..5785, 5552..5890, 5654..5995, 5759..6100, 5864..6103, 6287..6625, 6389..6733, 6424..6690, 6509..6838, 6617..6973, 6809..7150, 6923..7198, 7012..7200, 7019..7366, 7048..7206, 7058..7366, 7124..7405, 7373..7414		

Seq. No.	28379	Seq. ID	OJ000250_88.0223.C21
Gene No.	58460	Strand	+
Start	6868	End	7414
Name	OJ000250_88.0223.C21.o1.tm	Method	TBLASTX:Maize
Start	4661	End	7309
GI	none	Score	131
Exons	4661..5002, 4712..5110, 4826..5221, 4949..5323, 5225..5293, 5237..5623, 5342..5743, 5447..5848, 5657..6058, 6392..6793, 6506..6889, 6706..6951, 6707..7108, 6707..7108, 6717..7115, 6717..7115, 6785..6859, 6812..7198, 6926..7309, 7099..7182, 7100..7183		

Seq. No.	28379	Seq. ID	OJ000250_88.0223.C21

Gene No.	58460	Strand	+
Start	6868	End	7414
Name	OJ000250_88.0223.C21.o2.tm	Method	TBLASTX:Maize
Start	6191	End	6391
GI	none	Score	262
Exons	6191..6391, 6205..6390		

Seq. No.	28379	Seq. ID	OJ000250_88.0223.C21
Gene No.	58460	Strand	+
Start	6868	End	7414
Name	OJ000250_88.0223.C21.o1.gp	Method	AAT/GAP
Start	6868	End	7303
GI	LIB3432-057-P1-K1-H10	Score	842
Exons	6868..7303		
GI Descrip.	'4584524/emb|CAB40755.1| 3.0e-38 (AL049607) putative protein [Arabidopsis thaliana]'		

Seq. No.	28380	Seq. ID	OJ000250_88.0223.C27
Gene No.	58461	Strand	
Start	1	End	501
Name	OJ000250_88.0223.C27.o1.tc	Method	TBLASTX:Cress
Start	1	End	501
GI	none	Score	44
Exons	1..87, 2..88, 3..89, 78..497, 85..498, 86..499, 97..501		

Seq. No.	28380	Seq. ID	OJ000250_88.0223.C27
Gene No.	58461	Strand	
Start	1	End	501
Name	OJ000250_88.0223.C27.o1.ts	Method	TBLASTX:Soybean
Start	2	End	501
GI	none	Score	83
Exons	2..91, 3..92, 85..501, 86..499		

Seq. No.	28380	Seq. ID	OJ000250_88.0223.C27
Gene No.	58461	Strand	
Start	1	End	501
Name	OJ000250_88.0223.C27.o2.tm	Method	TBLASTX:Maize
Start	2	End	169
GI	none	Score	159
Exons	2..94, 3..92, 81..161, 86..133, 114..161, 119..169		

Seq. No.	28380	Seq. ID	OJ000250_88.0223.C27
Gene No.	58461	Strand	
Start	1	End	501
Name	OJ000250_88.0223.C27.o1.tw	Method	TBLASTX:Wheat
Start	2	End	118
GI	none	Score	160
Exons	2..94, 3..92, 86..118		

Seq. No.	28380	Seq. ID	OJ000250_88.0223.C27
Gene No.	58461	Strand	
Start	1	End	501
Name	OJ000250_88.0223.C27.o1.tm	Method	TBLASTX:Maize
Start	357	End	495
GI	none	Score	181
Exons	357..494, 358..495, 358..495		

Seq. No.	28381	Seq. ID	OJ000250_88.0223.C28
Gene No.	58462	Strand	+
Start	1	End	164
Name	OJ000250_88.0223.C28.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	2669_1.R1084	Score	287
Exons	1..164		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	28381	Seq. ID	OJ000250_88.0223.C28
Gene No.	58462	Strand	+
Start	1	End	164
Name	OJ000250_88.0223.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	164
GI	none	Score	273
Exons	1..150, 3..152, 3..164		

Seq. No.	28381	Seq. ID	OJ000250_88.0223.C28
Gene No.	58462	Strand	+
Start	1	End	164
Name	OJ000250_88.0223.C28.o1.tc	Method	TBLASTX:Cress
Start	3	End	152
GI	none	Score	202
Exons	3..152, 3..152		

Seq. No.	28382	Seq. ID	OJ000250_88.0223.C30
Gene No.	58463	Strand	
Start	2	End	165
Name	OJ000250_88.0223.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	165
GI	none	Score	231
Exons	2..148, 3..149, 3..149, 4..165		

Seq. No.	28383	Seq. ID	OJ000250_88.0223.C33
Gene No.	58464	Strand	-
Start	1	End	135
Name	OJ000250_88.0223.C33.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	3683_1.R1084	Score	203
Exons	1..135		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o1.gp	Method	AAT/GAP
Start	1	End	736
GI	3073_1.R1084	Score	1465
Exons	1..736		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o2.tc	Method	TBLASTX:Cress
Start	1	End	187
GI	none	Score	131
Exons	1..135, 1..126, 2..145, 151..177, 152..187		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o1.tm	Method	TBLASTX:Maize
Start	2	End	735
GI	none	Score	324
Exons	2..193, 2..184, 3..212, 177..281, 226..300, 227..283, 231..344, 291..719, 292..735, 292..735		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o2.ts	Method	TBLASTX:Soybean
Start	2	End	145
GI	none	Score	189
Exons	2..145, 4..135		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o1.tw	Method	TBLASTX:Wheat
Start	294	End	699
GI	none	Score	553
Exons	294..692, 298..693, 301..699		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o1.ts	Method	TBLASTX:Soybean
Start	349	End	677
GI	none	Score	267
Exons	349..675, 382..663, 387..677		

Seq. No.	28384	Seq. ID	OJ000250_88.0223.C37
Gene No.	58465	Strand	-
Start	1	End	736
Name	OJ000250_88.0223.C37.o1.tc	Method	TBLASTX:Cress
Start	352	End	706
GI	none	Score	317
Exons	352..675, 388..684, 599..706		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58466	Strand	+
Start	7872	End	8329
Name	OJ000250_88.0223.C38.o4.gp	Method	AAT/GAP
Start	7872	End	8329
GI	2231_2.R1084	Score	844
Exons	7872..8329		

GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58467	Strand	+
Start	8425	End	9313
Name	OJ000250_88.0223.C38.o5.gp	Method	AAT/GAP
Start	8425	End	9313
GI	7587_1.R1084	Score	1675
Exons	8425..9313		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58468	Strand	+
Start	9420	End	9749
Name	OJ000250_88.0223.C38.o6.gp	Method	AAT/GAP
Start	9420	End	9749
GI	5607533	Score	485
Exons	9420..9749		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58469	Strand	+
Start	10480	End	10654
Name	OJ000250_88.0223.C38.o8.gp	Method	AAT/GAP
Start	10480	End	10654
GI	306_9.R1084	Score	238
Exons	10480..10654		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58470	Strand	+
Start	14396	End	14507
Name	OJ000250_88.0223.C38.o9.gp	Method	AAT/GAP
Start	14396	End	14507
GI	1036999	Score	198
Exons	14396..14507		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58471	Strand	+
Start	14581	End	14726
Name	OJ000250_88.0223.C38.o10.gp	Method	AAT/GAP
Start	14581	End	14726
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	14581..14726		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58472	Strand	+

Start	28212	End	28754
Name	OJ000250_88.0223.C38.o13.gp	Method	AAT/GAP
Start	28212	End	28754
GI	42732_1.R1084	Score	1070
Exons	28212..28754		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58473	Strand	+
Start	28795	End	29164
Name	OJ000250_88.0223.C38.o14.gp	Method	AAT/GAP
Start	28795	End	29164
GI	LIB3477-011-P1-K1-C10	Score	641
Exons	28795..29164		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58474	Strand	+
Start	32063	End	32609
Name	OJ000250_88.0223.C38.o17.gp	Method	AAT/GAP
Start	32063	End	32609
GI	5005311	Score	1047
Exons	32063..32609		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58475	Strand	+
Start	33177	End	33593
Name	OJ000250_88.0223.C38.o18.gp	Method	AAT/GAP
Start	33177	End	33593
GI	LIB3431-040-P1-K2-C1	Score	734
Exons	33177..33593		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58476	Strand	+
Start	39206	End	39464
Name	OJ000250_88.0223.C38.o20.gp	Method	AAT/GAP
Start	39206	End	39464
GI	uC-osf1M202088b07a1	Score	514
Exons	39206..39464		

GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58477	Strand	-
Start	1486	End	1754
Name	OJ000250_88.0223.C38.o1.gp	Method	AAT/GAP
Start	1486	End	1754
GI	40596_1.R1084	Score	450
Exons	1486..1754		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58478	Strand	-
Start	2348	End	3594
Name	OJ000250_88.0223.C38.o2.gp	Method	AAT/GAP
Start	2348	End	3594
GI	uC-osflcyp086a01a1	Score	851
Exons	2348..2538, 3349..3594		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58479	Strand	-
Start	3675	End	4125
Name	OJ000250_88.0223.C38.o3.gp	Method	AAT/GAP
Start	3675	End	4125
GI	uC-osflcyp086a01b1	Score	902
Exons	3675..4125		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58480	Strand	-
Start	9631	End	10089
Name	OJ000250_88.0223.C38.o7.gp	Method	AAT/GAP
Start	9631	End	10089
GI	45273_1.R1084	Score	850
Exons	9631..10089		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58481	Strand	-
Start	16810	End	16940
Name	OJ000250_88.0223.C38.o11.gp	Method	AAT/GAP
Start	16810	End	16940
GI	5607624	Score	215
Exons	16810..16940		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58482	Strand	-
Start	24163	End	24248

Name	OJ000250_88.0223.C38.o12.gp	Method	AAT/GAP
Start	24163	End	24248
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	24163..24248		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58483	Strand	-
Start	29829	End	30869
Name	OJ000250_88.0223.C38.o15.gp	Method	AAT/GAP
Start	29829	End	30869
GI	2721_1.R1084	Score	1986
Exons	29829..30869		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58484	Strand	-
Start	30907	End	31452
Name	OJ000250_88.0223.C38.o16.gp	Method	AAT/GAP
Start	30907	End	31452
GI	2135_1.R1084	Score	1072
Exons	30907..31452		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58485	Strand	-
Start	35830	End	36260
Name	OJ000250_88.0223.C38.o19.gp	Method	AAT/GAP
Start	35830	End	36260
GI	uC-osf1cyp021g10b1	Score	766
Exons	35830..36260		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o19.ts	Method	TBLASTX:Soybean
Start	23	End	470
GI	none	Score	137
Exons	23..208, 24..272, 25..234, 164..283, 277..423, 287..430, 321..464, 414..470		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o25.tc	Method	TBLASTX:Cress
Start	198	End	680
GI	none	Score	35
Exons	198..242, 199..354, 200..361, 433..666, 436..675, 488..679,	349..417, 352..417, 359..418, 501..680	

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o7.tw	Method	TBLASTX:Wheat
Start	238	End	618
GI	none	Score	387
Exons	238..618, 239..517, 241..618		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o21.ts	Method	TBLASTX:Soybean
Start	493	End	1038
GI	none	Score	97
Exons	493..690, 502..669, 507..683, 762..893, 778..894, 786..896,	697..771, 704..757, 760..891, 908..973, 967..1038	

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o34.tc	Method	TBLASTX:Cress
Start	1226	End	1773
GI	none	Score	49
Exons	1226..1276, 1231..1278, 1238..1279, 1280..1321, 1280..1318, 1281..1325, 1291..1326, 1419..1502, 1420..1506, 1426..1518, 1430..1543, 1525..1569, 1594..1635, 1595..1633, 1609..1635, 1622..1765, 1624..1773, 1624..1764		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o24.tm	Method	TBLASTX:Maize
Start	1478	End	1738
GI	none	Score	122
Exons	1478..1501, 1480..1506, 1490..1567, 1494..1568, 1498..1593, 1538..1738, 1558..1737		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o41.tm	Method	TBLASTX:Maize
Start	1739	End	2113
GI	none	Score	68
Exons	1739..1780, 1740..1781, 1740..1781, 1741..1782, 1778..1819, 1779..1844, 1833..1871, 1836..1874, 1847..1885, 1858..1935, 1859..1939, 1875..1934, 1933..1977, 1957..2055, 1967..2062, 1968..2063, 2004..2063, 2060..2113		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o20.ts	Method	TBLASTX:Soybean
Start	2342	End	3465
GI	none	Score	251
Exons	2342..2581, 2343..2570, 2359..2571, 2543..2614, 2548..2640, 2552..2650, 2810..2857, 2855..2905, 2863..2904, 2908..2940, 2922..2951, 3035..3094, 3058..3165, 3079..3180, 3183..3221, 3184..3222, 3185..3223, 3234..3296, 3243..3296, 3271..3330, 3285..3335, 3327..3401, 3327..3416, 3328..3417, 3441..3461, 3442..3465		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o36.tc	Method	TBLASTX:Cress
Start	2417	End	2604
GI	none	Score	204
Exons	2417..2596, 2418..2603, 2509..2604		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o13.tm	Method	TBLASTX:Maize
Start	2945	End	3574
GI	none	Score	113
Exons	2945..3040, 2946..3029, 3032..3175, 3052..3219, 3085..3222, 3099..3233, 3195..3473, 3207..3467, 3221..3475, 3460..3498, 3463..3495, 3496..3546, 3497..3529, 3524..3571, 3530..3574		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o23.tm	Method	TBLASTX:Maize
Start	4645	End	5210
GI	none	Score	208
Exons	4645..4779, 4652..4780, 4653..4781, 4955..5104, 4955..5104, 4956..5105, 4956..5105, 4957..5109, 5108..5173, 5109..5171, 5111..5173, 5159..5209, 5159..5209, 5172..5210		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o1.tc	Method	TBLASTX:Cress
Start	4781	End	9166
GI	none	Score	78
Exons	4781..4954, 7725..8561, 7725..8012, 7729..8220, 8067..8663, 8071..8655, 8269..9165, 8276..9166		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o1.tw	Method	TBLASTX:Wheat
Start	4781	End	8900
GI	none	Score	75
Exons	4781..4954, 8268..8561, 8269..8655, 8269..8802, 8276..8803, 8703..8807, 8709..8822, 8722..8823, 8766..8900, 8783..8899		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o7.tm	Method	TBLASTX:Maize
Start	4781	End	8739
GI	none	Score	77
Exons	4781..4954, 8253..8660, 8254..8649, 8258..8737, 8269..8739, 8276..8737		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o2.ts	Method	TBLASTX:Soybean
Start	4781	End	9199
GI	none	Score	76
Exons	4781..4954, 7705..8649, 7705..8220, 8054..8221, 8067..8663, 8269..9162, 8276..9199		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o25.ts	Method	TBLASTX:Soybean
Start	4955	End	5692
GI	none	Score	154
Exons	4955..5074, 4957..5058, 5426..5554, 5427..5555, 5427..5552, 5428..5556, 5597..5692		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o37.tm	Method	TBLASTX:Maize
Start	5210	End	5419
GI	none	Score	90
Exons	5210..5278, 5211..5282, 5212..5283, 5212..5280, 5271..5327, 5281..5346, 5282..5338, 5307..5417, 5312..5419, 5321..5419		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o38.tc	Method	TBLASTX:Cress
Start	5412	End	5692
GI	none	Score	215
Exons	5412..5555, 5425..5568, 5425..5568, 5666..5692, 5666..5692		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o20.tm	Method	TBLASTX:Maize
Start	5764	End	6192
GI	none	Score	95
Exons	5764..5829, 5765..5830, 5766..5831, 5815..5874, 5816..5872, 5820..5894, 5821..5925, 5900..5929, 5930..6046, 5931..6068, 5948..6070, 6026..6088, 6026..6088, 6095..6190, 6095..6175, 6097..6192, 6097..6192		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o12.tw	Method	TBLASTX:Wheat
Start	5869	End	6424
GI	none	Score	57
Exons	5869..5928, 5900..5929, 5918..6010, 5923..6009, 5931..6011, 5931..6014, 5985..6056, 6003..6044, 6005..6094, 6005..6055, 6014..6088, 6030..6101, 6093..6218, 6095..6208, 6187..6381, 6205..6345, 6234..6356, 6305..6391, 6350..6424		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o38.tm	Method	TBLASTX:Maize
Start	6194	End	6434
GI	none	Score	181
Exons	6194..6331, 6205..6330, 6205..6333, 6335..6379, 6338..6391, 6340..6381, 6369..6434, 6371..6424		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o13.tw	Method	TBLASTX:Wheat
Start	6425	End	6798
GI	none	Score	44
Exons	6425..6457, 6428..6475, 6433..6474, 6447..6476, 6467..6523, 6477..6524, 6480..6524, 6481..6525, 6482..6526, 6513..6539, 6518..6553, 6524..6646, 6525..6650, 6525..6647, 6526..6651, 6526..6651, 6649..6666, 6678..6794, 6682..6798, 6682..6798		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o5.ts	Method	TBLASTX:Soybean
Start	6676	End	7497
GI	none	Score	1363
Exons	6676..7497, 6690..7496		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o10.tc	Method	TBLASTX:Cress
Start	6738	End	7110
GI	none	Score	447
Exons	6738..7109, 6738..7109, 6739..7110		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o12.tm	Method	TBLASTX:Maize
Start	7045	End	7472
GI	none	Score	671
Exons	7045..7470, 7050..7472, 7051..7470		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631

Name	OJ000250_88.0223.C38.o13.tc	Method	TBLASTX:Cress
Start	7193	End	7523
GI	none	Score	521
Exons	7193..7522, 7194..7523, 7198..7521		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o3.tw	Method	TBLASTX:Wheat
Start	7264	End	7707
GI	none	Score	43
Exons	7264..7299, 7285..7707, 7291..7707		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o8.tm	Method	TBLASTX:Maize
Start	7766	End	8217
GI	none	Score	754
Exons	7766..8017, 7768..8217, 7769..8215		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o8.tw	Method	TBLASTX:Wheat
Start	7870	End	8268
GI	none	Score	578
Exons	7870..8211, 7871..8266, 8054..8215, 8067..8267, 8071..8268		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o11.tm	Method	TBLASTX:Maize
Start	8740	End	9202
GI	none	Score	668
Exons	8740..9159, 8740..9174, 8741..9175, 9170..9202, 9171..9200		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o11.tw	Method	TBLASTX:Wheat
Start	8901	End	9265
GI	none	Score	394
Exons	8901..9200, 8901..9200, 8903..9202, 9171..9254, 9193..9264, 9194..9265		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o15.tm	Method	TBLASTX:Maize
Start	9439	End	10054
GI	none	Score	77
Exons	9439..9528, 9440..9487, 9499..9537, 9626..9724, 9640..9726, 9641..9724, 9645..9743, 9681..9995, 9691..9996, 9727..9999, 10010..10054, 10015..10053		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o31.tc	Method	TBLASTX:Cress
Start	9440	End	9969
GI	none	Score	45
Exons	9440..9478, 9519..9587, 9550..9582, 9648..9695, 9648..9677, 9740..9964, 9745..9969, 9745..9957, 9746..9958, 9753..9968		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o22.ts	Method	TBLASTX:Soybean
Start	9646	End	9969
GI	none	Score	44
Exons	9646..9693, 9737..9961, 9745..9969, 9745..9957		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o40.tm	Method	TBLASTX:Maize
Start	10467	End	34083
GI	none	Score	44
Exons	10467..10493, 10617..10694, 10621..10776, 10623..10778, 10624..10779, 10775..10834, 34004..34066, 34005..34070, 34008..34076, 34021..34083		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o31.tm	Method	TBLASTX:Maize
Start	11308	End	11580
GI	none	Score	86
Exons	11308..11376, 11309..11398, 11358..11462, 11366..11503, 11366..11506, 11368..11547, 11495..11578, 11496..11579, 11497..11580, 11497..11580		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o36.tm	Method	TBLASTX:Maize
Start	12515	End	12718
GI	none	Score	106
Exons	12515..12589, 12517..12588, 12575..12718, 12583..12708		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o40.tc	Method	TBLASTX:Cress
Start	13573	End	13710
GI	none	Score	191
Exons	13573..13710, 13573..13710		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o33.tm	Method	TBLASTX:Maize
Start	13579	End	13845

GI	none	Score	250
Exons	13579..13743, 13579..13761, 13580..13762, 13602..13769, 13807..13845		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o41.tc	Method	TBLASTX:Cress
Start	14354	End	14680
GI	none	Score	41
Exons	14354..14404, 14357..14404, 14402..14473, 14470..14517, 14507..14653, 14509..14628, 14519..14680		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o10.tm	Method	TBLASTX:Maize
Start	14431	End	15003
GI	none	Score	79
Exons	14431..14472, 14432..14473, 14447..14518, 14466..14513, 14503..14679, 14507..14680, 14511..14687, 14656..14886, 14658..14885, 14718..14765, 14878..14922, 14881..14925, 14908..14997, 14914..15003		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o15.tw	Method	TBLASTX:Wheat
Start	14470	End	14668
GI	none	Score	50
Exons	14470..14517, 14471..14518, 14507..14668, 14509..14628, 14519..14662		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o14.tw	Method	TBLASTX:Wheat
Start	14717	End	15300
GI	none	Score	75
Exons	14717..14785, 14717..14788, 14785..14808, 14786..14806, 14809..14889, 14821..14952, 14860..14940, 15036..15122, 15044..15139, 15049..15126, 15104..15172, 15117..15158, 15251..15292, 15253..15300		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o26.ts	Method	TBLASTX:Soybean
Start	15372	End	15509
GI	none	Score	128
Exons	15372..15500, 15387..15509		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o19.tc	Method	TBLASTX:Cress
Start	16862	End	17432

GI	none	Score	38
Exons	16862..16897, 16867..16896, 16914..16988, 16914..16988, 16915..16989, 17039..17311, 17047..17313, 17047..17310, 17049..17312, 17314..17430, 17315..17425, 17325..17432, 17325..17432		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o18.ts	Method	TBLASTX:Soybean
Start	16909	End	17312
GI	none	Score	52
Exons	16909..17013, 16926..17000, 16928..17023, 17017..17310, 17019..17312		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o16.tm	Method	TBLASTX:Maize
Start	16927	End	17325
GI	none	Score	542
Exons	16927..17325, 16928..17263, 16929..17324		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o26.tm	Method	TBLASTX:Maize
Start	17326	End	17519
GI	none	Score	304
Exons	17326..17511, 17326..17517, 17328..17516, 17328..17519		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o17.tc	Method	TBLASTX:Cress
Start	17512	End	17872
GI	none	Score	483
Exons	17512..17871, 17514..17828, 17528..17872		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o8.ts	Method	TBLASTX:Soybean
Start	17554	End	18384
GI	none	Score	568
Exons	17554..17958, 17558..17959, 17818..17964, 17959..18108, 17960..18115, 17982..18125, 18129..18383, 18141..18383, 18154..18384		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o27.tc	Method	TBLASTX:Cress
Start	17873	End	18240
GI	none	Score	88
Exons	17873..17998, 17874..17954, 17881..17958, 17938..18120, 17959..18108, 17963..18121, 17964..18125, 17982..18125,		

18129..18236, 18129..18236, 18154..18240, 18182..18238

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o10.ts	Method	TBLASTX:Soybean
Start	18482	End	19026
GI	none	Score	227
Exons	18482..18661, 18490..18642, 18492..18662, 18505..18672, 18624..18806, 18639..18806, 18643..18828, 18799..18837, 18848..18985, 18852..19004, 18852..18986, 18853..19026, 18859..19023		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o30.tc	Method	TBLASTX:Cress
Start	18573	End	18768
GI	none	Score	175
Exons	18573..18767, 18573..18767, 18574..18768		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o15.ts	Method	TBLASTX:Soybean
Start	19226	End	19641
GI	none	Score	105
Exons	19226..19453, 19231..19455, 19232..19450, 19233..19451, 19470..19598, 19470..19604, 19474..19608, 19475..19618, 19605..19640, 19606..19641		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o35.tm	Method	TBLASTX:Maize
Start	19419	End	20022
GI	none	Score	153
Exons	19419..19658, 19474..19761, 19831..20022		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o29.tc	Method	TBLASTX:Cress
Start	19474	End	20031
GI	none	Score	155
Exons	19474..19761, 19512..19658, 19831..20031, 19923..20030		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o7.ts	Method	TBLASTX:Soybean
Start	19944	End	20760
GI	none	Score	214
Exons	19944..20135, 19944..20156, 19945..20277, 20017..20304, 20132..20305, 20286..20405, 20303..20755, 20305..20760, 20306..20755, 20346..20759		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o18.tc	Method	TBLASTX:Cress
Start	20044	End	20444
GI	none	Score	323
Exons	20044..20283, 20050..20283, 20141..20305, 20312..20443, 20314..20442, 20316..20444		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o32.tc	Method	TBLASTX:Cress
Start	20738	End	21019
GI	none	Score	270
Exons	20738..21019, 20746..20964		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o23.ts	Method	TBLASTX:Soybean
Start	20845	End	21298
GI	none	Score	43
Exons	20845..20904, 20876..20905, 20906..21031, 20906..20980, 21002..21106, 21019..21258, 21028..21213, 21041..21253, 21254..21298, 21257..21295		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o15.tc	Method	TBLASTX:Cress
Start	21108	End	21531
GI	none	Score	52
Exons	21108..21155, 21109..21213, 21125..21529, 21164..21529, 21262..21531		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o6.tc	Method	TBLASTX:Cress
Start	21541	End	22285
GI	none	Score	664
Exons	21541..21981, 21542..21988, 22035..22283, 22049..22285, 22051..22284		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o14.ts	Method	TBLASTX:Soybean
Start	21815	End	22257
GI	none	Score	218
Exons	21815..21982, 21831..21980, 21850..21981, 22023..22253, 22033..22170, 22040..22255, 22051..22257		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631

Name	OJ000250_88.0223.C38.o27.tm	Method	TBLASTX:Maize
Start	21926	End	22259
GI	none	Score	82
Exons	21926..21982, 21928..21981, 22023..22259, 22033..22170, 22040..22258		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o3.ts	Method	TBLASTX:Soybean
Start	22258	End	25221
GI	none	Score	99
Exons	22258..22332, 22262..22336, 22265..22336, 22461..22508, 22465..22509, 22527..22559, 22557..23264, 22558..22917, 22559..23266, 22560..23273, 23260..23385, 23261..23410, 23261..23389, 23262..23390, 23397..24149, 23410..24150, 23411..24157, 23621..24151, 24154..24210, 24157..24306, 24164..24307, 24165..24368, 24276..24446, 24301..24444, 24317..24445, 24872..25156, 24873..25154, 24946..25221		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o30.tm	Method	TBLASTX:Maize
Start	22261	End	22757
GI	none	Score	140
Exons	22261..22362, 22262..22366, 22262..22363, 22461..22508, 22465..22509, 22527..22559, 22557..22757, 22559..22756, 22560..22757		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o43.tc	Method	TBLASTX:Cress
Start	22297	End	22649
GI	none	Score	81
Exons	22297..22362, 22298..22354, 22470..22520, 22474..22521, 22560..22649, 22562..22648		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o12.tc	Method	TBLASTX:Cress
Start	22652	End	23046
GI	none	Score	595
Exons	22652..23044, 22653..23045, 22656..23045, 22966..23046		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o5.tw	Method	TBLASTX:Wheat
Start	23345	End	23790
GI	none	Score	634
Exons	23345..23788, 23345..23584, 23346..23789, 23346..23789, 23347..23790		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o14.tc	Method	TBLASTX:Cress
Start	23490	End	23906
GI	none	Score	521
Exons	23490..23900, 23491..23904, 23496..23906		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o23.tc	Method	TBLASTX:Cress
Start	23921	End	24436
GI	none	Score	225
Exons	23921..24139, 23922..24158, 23922..24143, 24180..24434, 24245..24427, 24290..24436		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o28.tm	Method	TBLASTX:Maize
Start	24416	End	24777
GI	none	Score	138
Exons	24416..24538, 24423..24563, 24425..24538, 24432..24539, 24435..24509, 24436..24483, 24437..24508, 24445..24510, 24453..24509, 24459..24569, 24463..24561, 24467..24514, 24468..24563, 24468..24569, 24472..24573, 24498..24572, 24501..24560, 24505..24591, 24505..24612, 24526..24612, 24544..24600, 24547..24600, 24553..24651, 24553..24600, 24553..24651, 24553..24600, 24595..24759, 24595..24759, 24601..24756, 24619..24774, 24622..24756, 24630..24674, 24637..24777, 24637..24660, 24658..24690, 24664..24729, 24678..24722, 24679..24729, 24681..24758, 24682..24768, 24687..24731, 24715..24777, 24735..24773		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o5.tm	Method	TBLASTX:Maize
Start	24778	End	25589
GI	none	Score	46
Exons	24778..24816, 24811..25176, 24841..24894, 24843..25589, 24843..25175, 24869..25588, 25251..25589		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o33.tc	Method	TBLASTX:Cress
Start	24820	End	25118
GI	none	Score	66
Exons	24820..24927, 24843..25118, 24843..25115, 24872..25117		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o2.tw	Method	TBLASTX:Wheat
Start	25043	End	25662
GI	none	Score	42

Exons	25043..25114, 25054..25092, 25056..25115, 25080..25340, 25087..25248, 25241..25660, 25242..25661, 25243..25662		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o20.tc	Method	TBLASTX:Cress
Start	25119	End	25827
GI	none	Score	55
Exons	25119..25154, 25153..25242, 25161..25238, 25230..25496, 25256..25477, 25264..25524, 25490..25594, 25490..25597, 25491..25826, 25491..25622, 25680..25817, 25681..25827, 25682..25825		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o3.tc	Method	TBLASTX:Cress
Start	25895	End	27039
GI	none	Score	47
Exons	25895..25951, 25903..25995, 26057..26113, 26060..26104, 26108..26182, 26116..26172, 26194..26751, 26195..26749, 26746..26925, 26751..26918, 26752..26925, 26754..27008, 26846..26944, 26983..27039, 26985..27038		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o6.ts	Method	TBLASTX:Soybean
Start	26030	End	27098
GI	none	Score	143
Exons	26030..26185, 26051..26185, 26194..26571, 26194..26739, 26195..26749, 26617..26754, 26622..26762, 26746..26985, 26751..26918, 26854..26982, 26855..26986, 26965..27027, 26972..27040, 26972..27040, 26985..27044, 26997..27098		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o39.tm	Method	TBLASTX:Maize
Start	26300	End	26438
GI	none	Score	215
Exons	26300..26437, 26300..26437, 26301..26438		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o22.tm	Method	TBLASTX:Maize
Start	26626	End	26919
GI	none	Score	67
Exons	26626..26715, 26634..26783, 26634..26681, 26662..26751, 26664..26762, 26720..26779, 26739..26918, 26742..26918, 26746..26919		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631

Name	OJ000250_88.0223.C38.o6.tw	Method	TBLASTX:Wheat
Start	26677	End	27097
GI	none	Score	110
Exons	26677..26751, 26681..26749, 26685..26783, 26715..26762, 26720..26779, 26739..27077, 26742..27083, 26746..27087, 26750..27097, 26752..27084, 26846..27097		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o14.tm	Method	TBLASTX:Maize
Start	26920	End	27579
GI	none	Score	266
Exons	26920..27114, 26921..27076, 26985..27086, 27087..27119, 27089..27127, 27125..27166, 27131..27166, 27174..27239, 27174..27239, 27225..27269, 27231..27323, 27239..27301, 27241..27324, 27363..27539, 27373..27558, 27376..27558, 27553..27579, 27553..27579		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o11.tc	Method	TBLASTX:Cress
Start	27238	End	27860
GI	none	Score	35
Exons	27238..27258, 27239..27256, 27373..27747, 27375..27749, 27376..27750, 27745..27858, 27747..27860		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o4.ts	Method	TBLASTX:Soybean
Start	27240	End	32917
GI	none	Score	530
Exons	27240..27263, 27371..28069, 27373..28062, 27375..28091, 27376..28086, 27644..28096, 28102..28143, 28327..29067, 28328..29068, 29708..29770, 29795..29863, 29840..30127, 29853..30125, 29985..30131, 30152..30220, 30556..30735, 30560..30736, 30560..30736, 30561..30737, 30565..30738, 30816..30839, 30827..30886, 30829..30900, 30832..30885, 30833..30886, 30892..30945, 30893..30946, 30896..30943, 30931..30984, 30933..31016, 30953..31024, 30977..31021, 31043..31090, 31043..31084, 31045..31092, 31050..31085, 31112..31180, 31115..31186, 31122..31181, 31271..31288, 31370..31411, 31377..31406, 31447..31947, 31451..31945, 31967..32002, 32007..32570, 32018..32917, 32197..32850, 32697..32852, 32848..32916		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o17.tm	Method	TBLASTX:Maize
Start	27580	End	27864
GI	none	Score	475
Exons	27580..27864, 27580..27864		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38

Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o8.tc	Method	TBLASTX:Cress
Start	28316	End	28828
GI	none	Score	58
Exons	28316..28366, 28323..28364, 28354..28803, 28367..28828, 28369..28827		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o32.tm	Method	TBLASTX:Maize
Start	28723	End	28967
GI	none	Score	273
Exons	28723..28923, 28725..28967		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o25.tm	Method	TBLASTX:Maize
Start	28970	End	29328
GI	none	Score	135
Exons	28970..29068, 28975..29064, 28977..29069, 29063..29107, 29064..29102, 29065..29106, 29094..29228, 29100..29243, 29102..29272, 29119..29256, 29237..29260, 29259..29300, 29260..29301, 29303..29326, 29305..29328		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o6.tm	Method	TBLASTX:Maize
Start	29415	End	30351
GI	none	Score	186
Exons	29415..29582, 29430..29459, 29450..29575, 29452..29583, 29548..29583, 29559..29639, 29592..29690, 29621..29692, 29631..29693, 29667..29759, 29692..29763, 29693..29764, 29695..29763, 29768..29809, 29768..29806, 29795..29851, 29796..29852, 29805..29852, 29833..29919, 29844..30215, 29846..30214, 29984..30238, 30222..30266, 30224..30268, 30252..30350, 30265..30348, 30267..30350, 30268..30351		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o26.tc	Method	TBLASTX:Cress
Start	29819	End	30125
GI	none	Score	328
Exons	29819..30115, 29819..29935, 29820..30125, 29985..30125		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o2.tm	Method	TBLASTX:Maize
Start	30353	End	32019
GI	none	Score	200
Exons	30353..30517, 30353..30454, 30445..30477, 30490..30804, 30502..30804, 30503..30805, 30764..30889, 30774..30887,		

30776..30889, 30889..30981, 30890..31006, 30890..31018,
30897..31028, 30968..31114, 31010..31114, 31011..31115,
31024..31119, 31107..31184, 31108..31188, 31115..31192,
31145..31255, 31148..31261, 31176..31277, 31199..31414,
31235..31360, 31260..31406, 31363..31449, 31417..31947,
31436..31957, 31676..31957, 31952..32005, 31952..32011,
31957..32019

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o4.tc	Method	TBLASTX:Cress
Start	30619	End	32518
GI	none	Score	125

Exons 30619..30717, 30620..30715, 30628..30717, 31543..31917,
31543..31947, 31544..31954, 32007..32504, 32021..32518,
32197..32517

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o9.tw	Method	TBLASTX:Wheat
Start	30737	End	31211
GI	none	Score	183

Exons 30737..30856, 30737..30856, 30853..30900, 30853..30891,
30890..31012, 30890..31012, 30891..31013, 30987..31097,
31016..31099, 31016..31096, 31017..31097, 31095..31145,
31096..31182, 31099..31179, 31100..31186, 31172..31204,
31176..31211

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o4.tw	Method	TBLASTX:Wheat
Start	31435	End	31880
GI	none	Score	120

Exons 31435..31521, 31436..31519, 31449..31529, 31453..31521,
31525..31875, 31527..31865, 31530..31880

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o34.tm	Method	TBLASTX:Maize
Start	32063	End	32376
GI	none	Score	260

Exons 32063..32374, 32200..32244, 32305..32376

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o42.tc	Method	TBLASTX:Cress
Start	32527	End	32793
GI	none	Score	193

Exons 32527..32793, 32528..32785

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-

Start	43142	End	43631
Name	OJ000250_88.0223.C38.o37.tc	Method	TBLASTX:Cress
Start	32876	End	33016
GI	none	Score	229
Exons	32876..33016, 32878..33015		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o13.ts	Method	TBLASTX:Soybean
Start	33136	End	33566
GI	none	Score	457
Exons	33136..33522, 33137..33559, 33137..33559, 33321..33566		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o22.tc	Method	TBLASTX:Cress
Start	33136	End	33769
GI	none	Score	431
Exons	33136..33522, 33137..33565, 33146..33565, 33330..33566, 33693..33758, 33697..33768, 33697..33765, 33698..33769		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o16.tc	Method	TBLASTX:Cress
Start	34026	End	34708
GI	none	Score	66
Exons	34026..34079, 34027..34110, 34028..34108, 34136..34333, 34137..34331, 34138..34338, 34139..34333, 34352..34483, 34387..34455, 34598..34708, 34624..34707		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o1.ts	Method	TBLASTX:Soybean
Start	34355	End	38089
GI	none	Score	117
Exons	34355..34501, 34387..34452, 34422..34463, 34574..35836, 34575..35087, 34624..35871, 34624..35871, 36852..36944, 36956..37099, 36974..37063, 37103..37183, 37227..37568, 37250..37564, 37619..37663, 37685..38089, 37689..37790		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o1.tm	Method	TBLASTX:Maize
Start	34373	End	38335
GI	none	Score	164
Exons	34373..34471, 34387..34470, 34472..34489, 34473..34499, 34531..34578, 34532..34585, 34533..34589, 34583..35836, 34587..35087, 34612..36024, 34624..36156, 35793..36146, 36074..36157, 36122..36217, 36127..36234, 36132..36212, 36136..36216, 36956..37099, 37103..37183, 37250..37432, 37250..37564, 37251..37568, 37619..37663, 37685..38089, 37689..38102, 37854..38090, 38096..38335, 38097..38168,		

38120..38245, 38208..38267

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o5.tc	Method	TBLASTX:Cress
Start	34750	End	37454
GI	none	Score	266
Exons	34750..34917, 34751..34915, 34911..35087, 34914..35297, 34916..35296, 34918..35298, 34919..35299, 36968..37099, 36974..37072, 37109..37183, 37250..37453, 37251..37454		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o2.tc	Method	TBLASTX:Cress
Start	35401	End	38658
GI	none	Score	34
Exons	35401..35430, 35404..35448, 35455..35859, 35459..35809, 35872..36018, 35873..36025, 36196..36327, 36337..36441, 37454..37723, 37454..38656, 37491..38657, 37506..38657, 37819..38658		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o9.ts	Method	TBLASTX:Soybean
Start	35871	End	38537
GI	none	Score	163
Exons	35871..36131, 35872..36024, 35872..36345, 35873..36025, 36069..36122, 36074..36346, 36079..36348, 36159..36356, 36159..36347, 38096..38266, 38097..38267, 38270..38317, 38423..38536, 38424..38537		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o39.tc	Method	TBLASTX:Cress
Start	36026	End	36196
GI	none	Score	141
Exons	36026..36184, 36028..36189, 36051..36185, 36073..36195, 36074..36196		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o18.tm	Method	TBLASTX:Maize
Start	36235	End	38668
GI	none	Score	384
Exons	36235..36528, 36235..36528, 36236..36529, 38423..38545, 38445..38537, 38552..38668		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o16.ts	Method	TBLASTX:Soybean
Start	36359	End	38788

GI	none	Score	351
Exons	36359..36604, 36359..36454, 36388..36603, 38552..38668, 38735..38788		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o9.tc	Method	TBLASTX:Cress
Start	36445	End	38959
GI	none	Score	75
Exons	36445..36564, 36446..36565, 36514..36939, 36515..36964, 36518..36964, 36528..36965, 38747..38893, 38888..38959		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o4.tm	Method	TBLASTX:Maize
Start	36529	End	39807
GI	none	Score	742
Exons	36529..36687, 36685..36756, 38677..39129, 38677..39012, 38678..39157, 39104..39217, 39127..39204, 39179..39307, 39193..39309, 39199..39315, 39310..39339, 39311..39340, 39353..39403, 39356..39403, 39381..39485, 39395..39484, 39418..39498, 39482..39553, 39483..39539, 39487..39540, 39534..39614, 39536..39616, 39536..39616, 39644..39796, 39656..39793, 39660..39800, 39661..39807		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o12.ts	Method	TBLASTX:Soybean
Start	36604	End	39228
GI	none	Score	365
Exons	36604..36687, 36685..36756, 38810..39127, 38810..39145, 38814..39146, 38817..39146, 39199..39228		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o28.tc	Method	TBLASTX:Cress
Start	38960	End	39228
GI	none	Score	234
Exons	38960..39127, 38960..39127, 38961..39128, 38962..39129, 38967..39128, 39122..39205, 39199..39228		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o24.ts	Method	TBLASTX:Soybean
Start	39686	End	40676
GI	none	Score	149
Exons	39686..39841, 39687..39842, 39690..39842, 39727..39852, 40529..40675, 40558..40674, 40560..40676, 40566..40676		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631

Name	OJ000250_88.0223.C38.o35.tc	Method	TBLASTX:Cress
Start	39735	End	40068
GI	none	Score	109
Exons	39735..39866, 39737..39877, 39737..39865, 39744..39881, 39853..39918, 39855..39908, 39856..39909, 39967..40011, 39967..40041, 39971..40042, 40025..40063, 40030..40068		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o19.tm	Method	TBLASTX:Maize
Start	39862	End	40203
GI	none	Score	240
Exons	39862..40017, 39865..40017, 39967..40089, 40013..40129, 40017..40142, 40019..40126, 40115..40165, 40119..40202, 40122..40184, 40126..40203		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o21.tc	Method	TBLASTX:Cress
Start	40536	End	40887
GI	none	Score	405
Exons	40536..40793, 40539..40886, 40747..40887		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o3.tm	Method	TBLASTX:Maize
Start	40547	End	41701
GI	none	Score	556
Exons	40547..40897, 40547..40882, 40747..40899, 40833..40898, 40892..41521, 40896..41552, 40897..41505, 40928..41518, 41475..41678, 41500..41679, 41516..41680, 41517..41681, 41681..41701, 41683..41700		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o24.tc	Method	TBLASTX:Cress
Start	40952	End	41686
GI	none	Score	56
Exons	40952..41008, 40964..40984, 41019..41072, 41036..41071, 41036..41167, 41077..41193, 41078..41194, 41082..41201, 41189..41305, 41201..41305, 41202..41315, 41314..41406, 41326..41406, 41328..41411, 41497..41676, 41504..41686, 41504..41686		

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o17.ts	Method	TBLASTX:Soybean
Start	41015	End	41691
GI	none	Score	54
Exons	41015..41071, 41016..41075, 41035..41076, 41048..41170, 41077..41196, 41078..41206, 41249..41284, 41259..41282, 41318..41344, 41325..41399, 41345..41416, 41359..41403,		

41411..41437, 41415..41438, 41516..41683, 41517..41684,
41530..41691

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o21.tm	Method	TBLASTX:Maize
Start	41868	End	42254
GI	none	Score	291

Exons 41868..41888, 41872..42156, 41891..42016, 41892..42023,
41911..42159, 42069..42164, 42155..42244, 42158..42244,
42159..42254, 42159..42245

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o9.tm	Method	TBLASTX:Maize
Start	42335	End	42877
GI	none	Score	97

Exons 42335..42418, 42335..42388, 42336..42416, 42337..42417,
42418..42570, 42419..42844, 42422..42850, 42643..42846,
42842..42877

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o10.tw	Method	TBLASTX:Wheat
Start	42505	End	42905
GI	none	Score	101

Exons 42505..42543, 42554..42622, 42561..42623, 42567..42623,
42582..42905, 42611..42904

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o7.tc	Method	TBLASTX:Cress
Start	42632	End	43631
GI	none	Score	704

Exons 42632..43261, 42633..43262, 42642..43262, 42643..43275,
43132..43266, 43280..43351, 43281..43328, 43494..43631,
43533..43616, 43534..43629

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o11.ts	Method	TBLASTX:Soybean
Start	42857	End	43360
GI	none	Score	462

Exons 42857..43258, 42858..43259, 42858..43259, 43165..43260,
43304..43360

Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o29.tm	Method	TBLASTX:Maize
Start	43138	End	43395
GI	none	Score	173

Exons	43138..43251, 43139..43252, 43140..43280, 43246..43338, 43248..43361, 43250..43360, 43251..43373, 43252..43371, 43369..43395, 43370..43393, 43371..43394		
Seq. No.	28385	Seq. ID	OJ000250_88.0223.C38
Gene No.	58486	Strand	-
Start	43142	End	43631
Name	OJ000250_88.0223.C38.o21.gp	Method	AAT/GAP
Start	43142	End	43257
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	43142..43257		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o1.tm	Method	TBLASTX:Maize
Start	300	End	2058
GI	none	Score	68
Exons	300..350, 300..350, 301..351, 349..420, 353..421, 363..392, 418..1077, 424..1059, 1056..1094, 1057..1095, 1068..1142, 1075..1155, 1129..1272, 1136..1282, 1141..1269, 1255..1812, 1258..1641, 1259..1810, 1259..1813, 1790..1861, 1792..2058, 1793..2056, 1831..2058		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o1.tc	Method	TBLASTX:Cress
Start	1097	End	1794
GI	none	Score	72
Exons	1097..1144, 1100..1144, 1140..1259, 1141..1362, 1249..1320, 1307..1363, 1356..1526, 1357..1785, 1357..1794, 1358..1786		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o1.ts	Method	TBLASTX:Soybean
Start	1139	End	1822
GI	none	Score	775
Exons	1139..1822, 1141..1821		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o1.tw	Method	TBLASTX:Wheat
Start	1225	End	1756
GI	none	Score	697
Exons	1225..1755, 1226..1756, 1226..1756		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o1.gp	Method	AAT/GAP
Start	1798	End	2058
GI	2409_1.R1084	Score	514

Exons	1798..2058
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o3.tc	Method	TBLASTX:Cress
Start	1818	End	2058
GI	none	Score	227
Exons	1818..1850, 1866..2057, 1867..2058, 1899..2057		

Seq. No.	28386	Seq. ID	OJ000250_88.0223.C39
Gene No.	58487	Strand	+
Start	1798	End	2058
Name	OJ000250_88.0223.C39.o3.ts	Method	TBLASTX:Soybean
Start	1824	End	2058
GI	none	Score	259
Exons	1824..2057, 1825..2058, 1827..2057		

Seq. No.	28387	Seq. ID	OJ000250_88.0223.C40
Gene No.	58488	Strand	
Start	285	End	934
Name	OJ000250_88.0223.C40.o1.tc	Method	TBLASTX:Cress
Start	285	End	934
GI	none	Score	75
Exons	285..455, 380..619, 445..609, 611..934	452..613, 540..623, 590..934,	

Seq. No.	28387	Seq. ID	OJ000250_88.0223.C40
Gene No.	58488	Strand	
Start	285	End	934
Name	OJ000250_88.0223.C40.o1.tm	Method	TBLASTX:Maize
Start	318	End	702
GI	none	Score	131
Exons	318..455, 319..648, 358..648, 655..702	540..665, 633..701, 655..702,	

Seq. No.	28387	Seq. ID	OJ000250_88.0223.C40
Gene No.	58488	Strand	
Start	285	End	934
Name	OJ000250_88.0223.C40.o1.ts	Method	TBLASTX:Soybean
Start	380	End	934
GI	none	Score	69
Exons	380..934, 381..455, 463..930,	470..934	

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58489	Strand	+
Start	2029	End	2756
Name	OJ000250_88.0223.C41.o2.gp	Method	AAT/GAP
Start	2029	End	2756
GI	24824_1.R1084	Score	1361
Exons	2029..2756		

GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		
Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58490	Strand	+
Start	2853	End	3678
Name	OJ000250_88.0223.C41.o3.gp	Method	AAT/GAP
Start	2853	End	3678
GI	14384_1.R1084	Score	1358
Exons	2853..3564, 3650..3678		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		
Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58491	Strand	+
Start	5494	End	6117
Name	OJ000250_88.0223.C41.o4.gp	Method	AAT/GAP
Start	5494	End	6117
GI	7528_2.R1084	Score	1143
Exons	5494..6117		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		
Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58492	Strand	+
Start	7528	End	7969
Name	OJ000250_88.0223.C41.o6.gp	Method	AAT/GAP
Start	7528	End	7969
GI	uC-osf1M202092b08b1	Score	831
Exons	7528..7969		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		
Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58493	Strand	+
Start	12532	End	13054
Name	OJ000250_88.0223.C41.o7.gp	Method	AAT/GAP
Start	12532	End	13054
GI	uC-osf1m202104g03b1	Score	1026
Exons	12532..13054		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		
Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58494	Strand	+
Start	16599	End	16727
Name	OJ000250_88.0223.C41.o9.gp	Method	AAT/GAP
Start	16599	End	16727
GI	LIB3432-057-P1-K1-A8	Score	169

Exons	16599..16727		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58495	Strand	+
Start	17277	End	17829
Name	OJ000250_88.0223.C41.o10.gp	Method	AAT/GAP
Start	17277	End	17829
GI	2896_1.R1084	Score	1023
Exons	17277..17829		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58496	Strand	-
Start	1049	End	1565
Name	OJ000250_88.0223.C41.o1.gp	Method	AAT/GAP
Start	1049	End	1565
GI	uC-osf1M202083h12b1	Score	968
Exons	1049..1565		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58497	Strand	-
Start	6121	End	6658
Name	OJ000250_88.0223.C41.o5.gp	Method	AAT/GAP
Start	6121	End	6658
GI	2653_1.R1084	Score	1048
Exons	6121..6658		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58498	Strand	-
Start	15370	End	15537
Name	OJ000250_88.0223.C41.o8.gp	Method	AAT/GAP
Start	15370	End	15537
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	15370..15537		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58499	Strand	-
Start	18985	End	19436
Name	OJ000250_88.0223.C41.o11.gp	Method	AAT/GAP
Start	18985	End	19436
GI	uC-osflcyp003h11b1	Score	872
Exons	18985..19436		

GI Descrip. '131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o1.tc	Method	TBLASTX:Cress
Start	1	End	1286
GI	none	Score	883
Exons	1..162, 2..1285, 3..623, 248..1039, 708..1286		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o14.tw	Method	TBLASTX:Wheat
Start	2	End	229
GI	none	Score	115
Exons	2..229, 3..206		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o2.tm	Method	TBLASTX:Maize
Start	2	End	1127
GI	none	Score	81
Exons	2..202, 2..598, 3..587, 242..598, 599..841, 617..1108, 708..1127		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o2.ts	Method	TBLASTX:Soybean
Start	2	End	1222
GI	none	Score	486
Exons	2..598, 3..587, 242..598, 599..841, 617..1093, 634..888, 708..1106, 1178..1222		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o3.tw	Method	TBLASTX:Wheat
Start	317	End	1012
GI	none	Score	237
Exons	317..598, 318..587, 323..592, 617..679, 686..724, 735..1004, 749..1012		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o16.tm	Method	TBLASTX:Maize
Start	1127	End	1380
GI	none	Score	261
Exons	1127..1306, 1129..1338, 1329..1358, 1329..1358, 1363..1380		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o7.tw	Method	TBLASTX:Wheat
Start	1156	End	1588
GI	none	Score	215
Exons	1156..1305, 1156..1251, 1158..1295, 1257..1367, 1302..1388, 1303..1377, 1366..1587, 1375..1554, 1379..1588		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o21.tm	Method	TBLASTX:Maize
Start	1381	End	1571
GI	none	Score	199
Exons	1381..1518, 1381..1518, 1382..1543, 1383..1520, 1511..1567, 1515..1571, 1517..1570		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o14.tm	Method	TBLASTX:Maize
Start	1713	End	2022
GI	none	Score	186
Exons	1713..1835, 1717..1836, 1812..1922, 1821..1877, 1823..1900, 1825..1920, 1826..1930, 1895..2020, 1897..2022, 1939..2022		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o2.tw	Method	TBLASTX:Wheat
Start	1756	End	2437
GI	none	Score	203
Exons	1756..1917, 1758..1901, 1875..1973, 1904..1966, 1929..2003, 1967..2086, 1987..2088, 1987..2085, 2012..2086, 2073..2162, 2088..2168, 2090..2164, 2156..2437, 2165..2437		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o3.ts	Method	TBLASTX:Soybean
Start	1996	End	2697
GI	none	Score	106
Exons	1996..2085, 1997..2086, 2001..2087, 2088..2162, 2088..2168, 2155..2697, 2156..2680, 2167..2697		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o8.tc	Method	TBLASTX:Cress
Start	2005	End	2479
GI	none	Score	41
Exons	2005..2037, 2005..2040, 2039..2086, 2040..2087, 2041..2088, 2073..2162, 2088..2168, 2155..2460, 2156..2479, 2165..2479		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41

Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o4.tm	Method	TBLASTX:Maize
Start	2023	End	2767
GI	none	Score	86
Exons	2023..2085, 2033..2086, 2033..2086, 2035..2088, 2073..2162, 2088..2168, 2090..2173, 2146..2715, 2155..2712, 2156..2761, 2165..2719, 2717..2767, 2720..2767		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o12.tw	Method	TBLASTX:Wheat
Start	2437	End	2622
GI	none	Score	323
Exons	2437..2622, 2438..2620		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o1.tw	Method	TBLASTX:Wheat
Start	2765	End	3517
GI	none	Score	926
Exons	2765..3511, 2766..3467, 2771..3517		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o18.tm	Method	TBLASTX:Maize
Start	2770	End	3058
GI	none	Score	205
Exons	2770..3054, 2771..3058, 2775..3053		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o18.tc	Method	TBLASTX:Cress
Start	3002	End	3149
GI	none	Score	156
Exons	3002..3124, 3003..3149, 3004..3138		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o8.tm	Method	TBLASTX:Maize
Start	3112	End	3648
GI	none	Score	310
Exons	3112..3471, 3121..3327, 3134..3481, 3137..3481, 3589..3648, 3593..3646		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o10.tc	Method	TBLASTX:Cress
Start	3232	End	3501
GI	none	Score	353
Exons	3232..3363, 3233..3499, 3233..3499, 3400..3501		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o24.tm	Method	TBLASTX:Maize
Start	3789	End	4533
GI	none	Score	53
Exons	3789..3821, 3790..3840, 3790..3825, 3815..3847, 3815..3847, 3833..3937, 3833..3919, 3847..3939, 4471..4533		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o7.ts	Method	TBLASTX:Soybean
Start	4537	End	7028
GI	none	Score	140
Exons	4537..4758, 4596..4715, 5218..5355, 5220..5309, 5230..5316, 5231..5317, 5677..5838, 5682..5822, 5826..6029, 5834..5875, 5860..6075, 5860..6072, 6095..6157, 6098..6157, 6106..6162, 6184..6243, 6184..6261, 6557..6625, 6569..6628, 6571..6633, 6650..7024, 6654..7028, 6660..6764, 6680..7027		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o10.tm	Method	TBLASTX:Maize
Start	5172	End	5602
GI	none	Score	273
Exons	5172..5351, 5178..5351, 5354..5452, 5355..5468, 5441..5518, 5449..5520, 5452..5520, 5454..5540, 5477..5521, 5488..5586, 5488..5586, 5510..5587, 5513..5602, 5517..5588		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o3.tc	Method	TBLASTX:Cress
Start	5683	End	7024
GI	none	Score	341
Exons	5683..6168, 5685..6065, 5685..6173, 5686..6174, 6108..6176, 6155..6244, 6160..6243, 6572..6646, 6646..7005, 6646..6852, 6647..7024, 6651..7022		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o6.tm	Method	TBLASTX:Maize
Start	5841	End	6438
GI	none	Score	46
Exons	5841..5873, 5842..5874, 5852..6259, 5857..6261, 5860..6261, 6347..6370, 6348..6371, 6366..6413, 6367..6414, 6369..6413, 6406..6438, 6410..6430		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o1.ts	Method	TBLASTX:Soybean
Start	7032	End	8568

GI	none	Score	332
Exons	7032..7349, 7052..7357, 7578..7787, 7584..8567, 7585..8568		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o15.tc	Method	TBLASTX:Cress
Start	7044	End	7261
GI	none	Score	228
Exons	7044..7259, 7046..7261		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o2.tc	Method	TBLASTX:Cress
Start	7262	End	8528
GI	none	Score	91
Exons	7262..7342, 7263..7334, 7564..8364, 7578..7787, 7585..8373, 8470..8526, 8470..8526, 8478..8528		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o8.tw	Method	TBLASTX:Wheat
Start	7353	End	7779
GI	none	Score	39
Exons	7353..7379, 7354..7389, 7355..7393, 7383..7454, 7384..7503, 7399..7524, 7439..7651, 7459..7650, 7551..7652, 7654..7779, 7657..7776, 7659..7778		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o7.tm	Method	TBLASTX:Maize
Start	7405	End	7885
GI	none	Score	58
Exons	7405..7443, 7407..7451, 7440..7787, 7441..7884, 7442..7885, 7445..7885		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o17.tm	Method	TBLASTX:Maize
Start	7885	End	8053
GI	none	Score	273
Exons	7885..8052, 7886..8053, 7888..8052		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o15.tw	Method	TBLASTX:Wheat
Start	8110	End	8227
GI	none	Score	205
Exons	8110..8226, 8111..8227, 8113..8226		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-

Start	19566	End	19729
Name	OJ000250_88.0223.C41.o9.tw	Method	TBLASTX:Wheat
Start	8346	End	8673
GI	none	Score	377
Exons	8346..8609, 8353..8673, 8353..8673		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o11.tc	Method	TBLASTX:Cress
Start	9492	End	9829
GI	none	Score	273
Exons	9492..9737, 9495..9737, 9776..9829, 9777..9827		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o13.tm	Method	TBLASTX:Maize
Start	9546	End	9829
GI	none	Score	364
Exons	9546..9761, 9546..9800, 9547..9789, 9760..9816, 9761..9829, 9762..9827, 9763..9828		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o5.tw	Method	TBLASTX:Wheat
Start	9782	End	10223
GI	none	Score	669
Exons	9782..10207, 9783..10223		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o7.tc	Method	TBLASTX:Cress
Start	9868	End	10446
GI	none	Score	89
Exons	9868..9921, 9869..9925, 9870..9926, 9924..10055, 9927..10055, 9928..10056, 9929..10057, 10058..10339, 10061..10327, 10063..10335, 10063..10344, 10339..10371, 10343..10372, 10375..10446, 10379..10441		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o23.tm	Method	TBLASTX:Maize
Start	10288	End	10440
GI	none	Score	89
Exons	10288..10341, 10288..10335, 10289..10357, 10336..10395, 10342..10395, 10343..10396, 10343..10396, 10396..10440, 10399..10440		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o10.tw	Method	TBLASTX:Wheat
Start	10301	End	10702

GI	none	Score	86
Exons	10301..10375, 10302..10352, 10303..10353, 10322..10537, 10334..10537, 10531..10677, 10556..10699, 10577..10702		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o22.tm	Method	TBLASTX:Maize
Start	10494	End	10889
GI	none	Score	64
Exons	10494..10547, 10498..10554, 10499..10552, 10527..10619, 10559..10615, 10613..10654, 10626..10691, 10631..10693, 10634..10696, 10700..10777, 10701..10772, 10796..10870, 10809..10889		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o6.tw	Method	TBLASTX:Wheat
Start	11062	End	11658
GI	none	Score	136
Exons	11062..11190, 11066..11191, 11067..11162, 11069..11191, 11215..11256, 11230..11295, 11249..11332, 11254..11331, 11334..11381, 11335..11385, 11336..11383, 11368..11493, 11369..11494, 11373..11492, 11381..11494, 11482..11658, 11487..11657		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o5.tm	Method	TBLASTX:Maize
Start	11224	End	11967
GI	none	Score	139
Exons	11224..11382, 11249..11374, 11251..11400, 11256..11396, 11369..11455, 11370..11453, 11449..11619, 11450..11620, 11451..11621, 11636..11668, 11637..11690, 11663..11689, 11671..11700, 11687..11794, 11688..11756, 11752..11967, 11754..11960, 11755..11961		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o13.tc	Method	TBLASTX:Cress
Start	11551	End	11893
GI	none	Score	74
Exons	11551..11637, 11553..11618, 11693..11758, 11696..11758, 11768..11893, 11779..11889		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o10.ts	Method	TBLASTX:Soybean
Start	11693	End	11908
GI	none	Score	230
Exons	11693..11758, 11752..11907, 11753..11908		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41

Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o11.tw	Method	TBLASTX:Wheat
Start	12429	End	12817
GI	none	Score	83
Exons	12429..12488, 12430..12489, 12430..12507, 12471..12509, 12532..12780, 12536..12802, 12542..12817		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o11.tm	Method	TBLASTX:Maize
Start	12513	End	12829
GI	none	Score	264
Exons	12513..12695, 12514..12822, 12514..12822, 12515..12829, 12515..12829		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o9.ts	Method	TBLASTX:Soybean
Start	12588	End	13951
GI	none	Score	168
Exons	12588..12695, 12590..12742, 12590..12742, 13138..13302, 13148..13378, 13156..13377, 13161..13391, 13175..13378, 13641..13712, 13643..13705, 13649..13693, 13700..13762, 13772..13942, 13774..13938, 13774..13947, 13790..13951		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o16.tc	Method	TBLASTX:Cress
Start	12591	End	12751
GI	none	Score	165
Exons	12591..12695, 12592..12738, 12592..12738, 12593..12751		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o15.tm	Method	TBLASTX:Maize
Start	13012	End	13349
GI	none	Score	94
Exons	13012..13095, 13102..13311, 13113..13349, 13145..13345, 13155..13349		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o12.tc	Method	TBLASTX:Cress
Start	13161	End	14094
GI	none	Score	280
Exons	13161..13379, 13178..13378, 13646..13693, 13670..13762, 13774..13938, 13774..13938, 13790..13951, 13996..14094		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729

Name	OJ000250_88.0223.C41.o14.tc	Method	TBLASTX:Cress
Start	14693	End	15270
GI	none	Score	37
Exons	14693..14722, 14759..14794, 14762..14791, 14784..14843, 14797..14844, 14880..14966, 14881..14955, 14972..15070, 14973..15116, 15055..15117, 15153..15197, 15156..15197, 15226..15270		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o8.ts	Method	TBLASTX:Soybean
Start	14789	End	15838
GI	none	Score	73
Exons	14789..14839, 14797..14847, 14873..14914, 14877..14954, 14878..14904, 14916..14960, 14950..15018, 14971..15015, 14972..15025, 15015..15080, 15021..15113, 15022..15114, 15055..15126, 15209..15274, 15209..15268, 15216..15269, 15322..15483, 15325..15501, 15327..15503, 15350..15484, 15486..15530, 15504..15530, 15681..15836, 15681..15836, 15689..15838		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o19.tm	Method	TBLASTX:Maize
Start	15180	End	15368
GI	none	Score	62
Exons	15180..15206, 15182..15208, 15210..15368, 15212..15367		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o1.tm	Method	TBLASTX:Maize
Start	15369	End	16375
GI	none	Score	106
Exons	15369..15434, 15370..15501, 15370..15501, 15371..15502, 15489..15533, 15495..15533, 15502..15534, 15534..15557, 15535..15561, 15564..16373, 15569..16375, 15570..16352		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o5.ts	Method	TBLASTX:Soybean
Start	15840	End	16330
GI	none	Score	309
Exons	15840..16268, 15849..16268, 15850..16269, 15851..16288, 16097..16288, 16307..16330		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o9.tc	Method	TBLASTX:Cress
Start	15858	End	16288
GI	none	Score	351
Exons	15858..16268, 15859..16269, 15902..16288		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o12.tm	Method	TBLASTX:Maize
Start	16586	End	16876
GI	none	Score	167
Exons	16586..16702, 16586..16702, 16693..16875, 16706..16876		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o17.tc	Method	TBLASTX:Cress
Start	16755	End	17034
GI	none	Score	166
Exons	16755..17027, 16768..17034		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o4.tc	Method	TBLASTX:Cress
Start	17211	End	17761
GI	none	Score	112
Exons	17211..17357, 17212..17379, 17217..17336, 17218..17358, 17354..17734, 17356..17757, 17397..17753, 17546..17761		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o4.tw	Method	TBLASTX:Wheat
Start	17319	End	17750
GI	none	Score	691
Exons	17319..17363, 17320..17748, 17320..17748, 17397..17750		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o20.tm	Method	TBLASTX:Maize
Start	17356	End	17565
GI	none	Score	221
Exons	17356..17496, 17356..17493, 17357..17494, 17500..17565		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o4.ts	Method	TBLASTX:Soybean
Start	17428	End	17872
GI	none	Score	694
Exons	17428..17868, 17429..17734, 17430..17867, 17771..17872		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o9.tm	Method	TBLASTX:Maize
Start	17568	End	17882
GI	none	Score	567
Exons	17568..17882, 17569..17880		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o6.tc	Method	TBLASTX:Cress
Start	17764	End	18171
GI	none	Score	686
Exons	17764..18171, 17764..18171		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o5.tc	Method	TBLASTX:Cress
Start	18256	End	19192
GI	none	Score	75
Exons	18256..18339, 18259..18336, 18261..18341, 18373..18453, 18373..18453, 18452..18574, 18453..18545, 18611..18739, 18619..18813, 18627..18803, 18629..18811, 18814..18840, 18815..18853, 18847..19020, 18852..19082, 18852..19082, 18853..19095, 19060..19086, 19166..19192		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o6.ts	Method	TBLASTX:Soybean
Start	18542	End	19218
GI	none	Score	209
Exons	18542..18568, 18607..18759, 18627..18758, 18721..18789, 18795..18854, 18806..18844, 18847..19020, 18852..19082, 18852..19082, 18859..19095, 19060..19086, 19167..19217, 19167..19217, 19168..19218		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o3.tm	Method	TBLASTX:Maize
Start	18627	End	19389
GI	none	Score	764
Exons	18627..19130, 18627..18803, 18628..19131, 18628..19020, 18776..19138, 18849..19136, 19037..19147, 19116..19193, 19126..19197, 19127..19192, 19127..19198, 19168..19197, 19185..19235, 19185..19235, 19186..19236, 19187..19237, 19226..19357, 19237..19269, 19241..19321, 19315..19356, 19363..19389		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o13.tw	Method	TBLASTX:Wheat
Start	18707	End	18956
GI	none	Score	240
Exons	18707..18874, 18708..18872, 18709..18876, 18875..18943, 18876..18944, 18876..18956, 18877..18945		

Seq. No.	28388	Seq. ID	OJ000250_88.0223.C41
Gene No.	58500	Strand	-
Start	19566	End	19729
Name	OJ000250_88.0223.C41.o12.gp	Method	AAT/GAP

Start	19566	End	19729
GI	uC-osflcyp084g07a1	Score	201
Exons	19566..19729		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58501	Strand	+
Start	1	End	54
Name	OJ000250_88.0223.C42.o1.gp	Method	AAT/GAP
Start	1	End	54
GI	uC-osflcyp011b01b1	Score	104
Exons	1..54		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o3.ts	Method	TBLASTX:Soybean
Start	1	End	427
GI	none	Score	198
Exons	1..249, 1..351, 2..361, 3..362, 391..420, 392..427		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o1.tc	Method	TBLASTX:Cress
Start	2	End	564
GI	none	Score	562
Exons	2..334, 3..335, 5..352, 388..459, 390..458, 393..467, 511..564, 511..564		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o3.tm	Method	TBLASTX:Maize
Start	2	End	335
GI	none	Score	469
Exons	2..334, 3..335		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o4.tm	Method	TBLASTX:Maize
Start	501	End	742
GI	none	Score	290
Exons	501..695, 502..696, 502..693, 697..741, 698..739, 698..742		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o2.ts	Method	TBLASTX:Soybean
Start	650	End	2212
GI	none	Score	75
Exons	650..742, 650..769, 745..891, 801..890, 907..933, 1010..1057, 1016..1057, 1169..1624, 1187..1756, 1194..1733, 1194..1760,		

1204..1758, 1664..1762, 1781..1861, 1804..1860, 2016..2192, 2018..2212

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o3.tc	Method	TBLASTX:Cress
Start	1186	End	1433
GI	none	Score	367
Exons	1186..1281, 1187..1432, 1200..1433		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o4.tc	Method	TBLASTX:Cress
Start	1434	End	1639
GI	none	Score	316
Exons	1434..1637, 1434..1637, 1436..1639		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o5.tc	Method	TBLASTX:Cress
Start	2039	End	2481
GI	none	Score	36
Exons	2039..2104, 2090..2128, 2095..2133, 2145..2189, 2232..2468, 2241..2468, 2287..2481, 2339..2470, 2350..2481		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o1.ts	Method	TBLASTX:Soybean
Start	2232	End	2996
GI	none	Score	523
Exons	2232..2942, 2232..2996, 2239..2967, 2303..2989		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o1.tm	Method	TBLASTX:Maize
Start	2430	End	2904
GI	none	Score	587
Exons	2430..2903, 2430..2903, 2431..2904		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o2.gp	Method	AAT/GAP
Start	2529	End	3094
GI	2798177	Score	1010
Exons	2529..3094		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614

Name	OJ000250_88.0223.C42.o2.tc	Method	TBLASTX:Cress
Start	2724	End	3311
GI	none	Score	139
Exons	2724..2996, 2727..2942, 2728..2967, 2979..3038, 3011..3055, 3011..3055, 3016..3057, 3038..3211, 3044..3178, 3048..3212, 3052..3213, 3052..3222, 3081..3236, 3213..3311, 3215..3310		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o5.tm	Method	TBLASTX:Maize
Start	2912	End	3174
GI	none	Score	51
Exons	2912..2986, 2931..2990, 2932..2970, 2933..2986, 3040..3168, 3053..3169, 3053..3169, 3055..3174, 3081..3173		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o2.tm	Method	TBLASTX:Maize
Start	3191	End	3614
GI	none	Score	188
Exons	3191..3304, 3192..3308, 3192..3308, 3306..3533, 3307..3594, 3309..3530, 3518..3586, 3535..3612, 3542..3613, 3597..3614		

Seq. No.	28389	Seq. ID	OJ000250_88.0223.C42
Gene No.	58502	Strand	-
Start	2529	End	3614
Name	OJ000250_88.0223.C42.o4.ts	Method	TBLASTX:Soybean
Start	3266	End	3518
GI	none	Score	91
Exons	3266..3358, 3267..3437, 3276..3437, 3277..3438, 3417..3518, 3418..3510, 3422..3511		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58503	Strand	+
Start	275	End	683
Name	OJ000250_88.0223.C43.o1.gp	Method	AAT/GAP
Start	275	End	683
GI	uC-osflcyp086h07a1	Score	786
Exons	275..683		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58504	Strand	+
Start	2105	End	3209
Name	OJ000250_88.0223.C43.o4.gp	Method	AAT/GAP
Start	2105	End	3209
GI	2291_1.R1084	Score	2153
Exons	2105..3209		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58505	Strand	+
Start	3224	End	3393
Name	OJ000250_88.0223.C43.o5.gp	Method	AAT/GAP
Start	3224	End	3393
GI	3073_1.R1084	Score	336
Exons	3224..3393		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58506	Strand	-
Start	870	End	1455
Name	OJ000250_88.0223.C43.o2.gp	Method	AAT/GAP
Start	870	End	1455
GI	481_1.R1084	Score	1023
Exons	870..1455		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o1.tm	Method	TBLASTX:Maize
Start	1	End	1028
GI	none	Score	356
Exons	1..240, 1..189, 3..251, 195..236, 198..278, 286..330, 291..344, 293..343, 362..445, 363..1010, 363..893, 382..1026, 593..1027, 966..1028		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o2.ts	Method	TBLASTX:Soybean
Start	1	End	184
GI	none	Score	166
Exons	1..180, 8..184		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o1.tw	Method	TBLASTX:Wheat
Start	286	End	744
GI	none	Score	45
Exons	286..330, 292..330, 293..343, 341..361, 363..734, 363..737, 382..735, 382..744, 467..736		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o1.tc	Method	TBLASTX:Cress

Start	375	End	895
GI	none	Score	156
Exons	375..587, 378..548, 382..579, 582..791, 595..789, 604..798, 609..797, 813..854, 814..846, 857..895		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o1.ts	Method	TBLASTX:Soybean
Start	375	End	3393
GI	none	Score	158
Exons	375..539, 375..587, 382..591, 382..609, 582..788, 598..789, 602..910, 604..825, 823..849, 866..931, 917..1219, 928..1218, 1037..1231, 1207..1308, 1214..1333, 1394..1627, 1410..1772, 1410..1805, 1424..1813, 1429..1815, 1676..1810, 3038..3388, 3039..3383, 3247..3393		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o4.tw	Method	TBLASTX:Wheat
Start	816	End	1180
GI	none	Score	60
Exons	816..851, 817..855, 825..893, 835..891, 837..893, 902..1180, 902..1177, 919..1179		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o4.tc	Method	TBLASTX:Cress
Start	921	End	1308
GI	none	Score	114
Exons	921..1121, 922..1125, 929..1126, 1126..1173, 1126..1218, 1127..1219, 1127..1231, 1194..1226, 1207..1308, 1214..1306		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o2.tm	Method	TBLASTX:Maize
Start	1069	End	2907
GI	none	Score	75
Exons	1069..1113, 1070..1114, 1113..1163, 1114..1815, 1115..1810, 2851..2907		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o3.tw	Method	TBLASTX:Wheat
Start	1333	End	1724
GI	none	Score	80
Exons	1333..1386, 1335..1385, 1337..1390, 1340..1723, 1341..1724		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o2.tc	Method	TBLASTX:Cress
Start	1342	End	1813

GI	none	Score	48
Exons	1342..1374, 1448..1513, 1493..1813, 1494..1769, 1508..1807		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o5.tw	Method	TBLASTX:Wheat
Start	1756	End	2159
GI	none	Score	131
Exons	1756..1830, 1757..1831, 1801..1926, 1827..1931, 1831..1926, 1836..1961, 1945..1968, 1947..1970, 1969..2016, 1999..2028, 2001..2081, 2011..2064, 2012..2074, 2125..2157, 2127..2159, 2136..2159		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o3.gp	Method	AAT/GAP
Start	1760	End	2023
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	1760..2023		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o4.tm	Method	TBLASTX:Maize
Start	2125	End	2443
GI	none	Score	336
Exons	2125..2373, 2135..2428, 2135..2443		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o3.tc	Method	TBLASTX:Cress
Start	2163	End	3392
GI	none	Score	49
Exons	2163..2204, 2171..2191, 2223..2285, 2241..2285, 2278..2367, 2282..2374, 2493..2531, 2495..2521, 2517..2561, 2629..2691, 2670..2732, 2843..2884, 2854..2901, 2974..3216, 2981..3382, 3023..3388, 3135..3392		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o2.tw	Method	TBLASTX:Wheat
Start	2247	End	2881
GI	none	Score	71
Exons	2247..2309, 2247..2405, 2248..2397, 2249..2425, 2370..2420, 2372..2458, 2373..2459, 2382..2456, 2395..2457, 2444..2557, 2453..2560, 2458..2565, 2567..2776, 2575..2754, 2634..2804, 2644..2814, 2658..2804, 2834..2881, 2848..2880		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393

Name	OJ000250_88.0223.C43.o5.tm	Method	TBLASTX:Maize
Start	2488	End	2811
GI	none	Score	59
Exons	2488..2517, 2489..2521, 2514..2555, 2514..2561, 2518..2556, 2518..2616, 2519..2776, 2519..2689, 2646..2804, 2647..2754, 2650..2811, 2658..2792, 2744..2803		

Seq. No.	28390	Seq. ID	OJ000250_88.0223.C43
Gene No.	58507	Strand	-
Start	1760	End	3393
Name	OJ000250_88.0223.C43.o3.tm	Method	TBLASTX:Maize
Start	2960	End	3393
GI	none	Score	258
Exons	2960..3391, 2962..3180, 2982..3392, 3229..3393		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58508	Strand	+
Start	751	End	1204
Name	OJ000250_88.0223.C44.o1.gp	Method	AAT/GAP
Start	751	End	1204
GI	24570_1.R1084	Score	908
Exons	751..1204		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58509	Strand	+
Start	1568	End	1931
Name	OJ000250_88.0223.C44.o2.gp	Method	AAT/GAP
Start	1568	End	1931
GI	5455469	Score	666
Exons	1568..1931		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58510	Strand	-
Start	1955	End	2383
Name	OJ000250_88.0223.C44.o3.gp	Method	AAT/GAP
Start	1955	End	2383
GI	3073_1.R1084	Score	820
Exons	1955..2383		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o5.tw	Method	TBLASTX:Wheat
Start	1	End	217
GI	none	Score	307
Exons	1..210, 1..135, 2..217, 3..215		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o11.ts	Method	TBLASTX:Soybean
Start	27	End	278
GI	none	Score	209
Exons	27..278, 29..274		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o4.tm	Method	TBLASTX:Maize
Start	747	End	1243
GI	none	Score	267
Exons	747..1241, 750..926, 752..1243, 754..1242		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o7.ts	Method	TBLASTX:Soybean
Start	747	End	1062
GI	none	Score	174
Exons	747..926, 757..1062, 758..1060, 766..1062		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o3.tc	Method	TBLASTX:Cress
Start	771	End	1438
GI	none	Score	46
Exons	771..806, 784..1209, 803..1228, 1205..1435, 1211..1438		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o10.ts	Method	TBLASTX:Soybean
Start	1127	End	1492
GI	none	Score	214
Exons	1127..1492, 1286..1471		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o9.tw	Method	TBLASTX:Wheat
Start	1370	End	1720
GI	none	Score	109
Exons	1370..1492, 1604..1720		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o7.tc	Method	TBLASTX:Cress
Start	1526	End	1894
GI	none	Score	579
Exons	1526..1894, 1526..1876		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o5.tm	Method	TBLASTX:Maize
Start	1971	End	2400
GI	none	Score	348
Exons	1971..2189, 1990..2304, 1999..2268, 2006..2305, 2235..2309, 2241..2309, 2270..2359, 2296..2355, 2298..2399, 2298..2399, 2311..2400		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o1.ts	Method	TBLASTX:Soybean
Start	2034	End	3766
GI	none	Score	180
Exons	2034..2186, 2038..2271, 2048..2272, 2048..2272, 2276..2302, 2277..2300, 2497..2841, 2550..2840, 2551..2880, 2606..2845, 2786..2995, 2813..3010, 2913..3011, 2982..3128, 2997..3095, 3087..3131, 3089..3130, 3090..3131, 3131..3310, 3133..3309, 3134..3361, 3315..3392, 3316..3393, 3371..3766, 3385..3678		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o5.tc	Method	TBLASTX:Cress
Start	2173	End	3061
GI	none	Score	92
Exons	2173..2271, 2174..2272, 2176..2265, 2411..2461, 2412..2462, 2412..2489, 2413..2469, 2463..2492, 2463..2492, 2464..2493, 2549..2716, 2550..2669, 2551..2718, 2551..2721, 2606..2722, 2732..2980, 2736..2975, 2744..3061, 2913..2981		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o2.tm	Method	TBLASTX:Maize
Start	2582	End	3411
GI	none	Score	1254
Exons	2582..3403, 2583..3404, 2606..3406, 3040..3411		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o4.tw	Method	TBLASTX:Wheat
Start	2722	End	3029
GI	none	Score	448
Exons	2722..3027, 2723..3028, 2723..3028, 2913..3029		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o1.tc	Method	TBLASTX:Cress
Start	3315	End	4534
GI	none	Score	79
Exons	3315..3356, 3316..3486, 3317..3490, 3317..3511, 3393..3524, 3510..3623, 3511..3627, 3512..3631, 3635..3844, 3637..4350, 3640..4350, 4337..4435, 4347..4442, 4351..4443, 4355..4441, 4369..4443, 4444..4524, 4448..4534, 4449..4532		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o3.tm	Method	TBLASTX:Maize
Start	3635	End	4410
GI	none	Score	304
Exons	3635..3844, 3637..3885, 3640..3885, 3714..3887, 3821..3886, 3880..4410, 3889..4410		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o3.ts	Method	TBLASTX:Soybean
Start	3767	End	4344
GI	none	Score	107
Exons	3767..3844, 3769..4344, 3771..4028, 3772..4338		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o1.tw	Method	TBLASTX:Wheat
Start	4005	End	4382
GI	none	Score	51
Exons	4005..4031, 4006..4380, 4006..4380, 4007..4381, 4080..4382		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o8.tw	Method	TBLASTX:Wheat
Start	4383	End	4610
GI	none	Score	104
Exons	4383..4442, 4385..4441, 4449..4610, 4464..4610		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o8.tc	Method	TBLASTX:Cress
Start	4764	End	5172
GI	none	Score	61
Exons	4764..4808, 4768..4803, 4795..4956, 4809..4958, 4810..4956, 4943..5038, 4953..5039, 4953..5066, 4954..5040, 5041..5172, 5043..5123, 5050..5130		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671

Name	OJ000250_88.0223.C44.o12.ts	Method	TBLASTX:Soybean
Start	5120	End	5299
GI	none	Score	52
Exons	5120..5149, 5122..5145, 5155..5295, 5159..5299		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o3.tw	Method	TBLASTX:Wheat
Start	6468	End	6954
GI	none	Score	92
Exons	6468..6545, 6468..6545, 6469..6546, 6547..6603, 6547..6603, 6578..6658, 6583..6660, 6585..6662, 6594..6656, 6610..6675, 6620..6688, 6621..6662, 6648..6668, 6673..6723, 6673..6714, 6674..6766, 6674..6724, 6713..6952, 6720..6953, 6907..6954		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o4.ts	Method	TBLASTX:Soybean
Start	6749	End	7242
GI	none	Score	684
Exons	6749..7240, 6759..7157, 6761..7240, 6907..7242		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o9.ts	Method	TBLASTX:Soybean
Start	8447	End	8673
GI	none	Score	347
Exons	8447..8671, 8449..8673, 8449..8673		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o5.ts	Method	TBLASTX:Soybean
Start	8674	End	9126
GI	none	Score	448
Exons	8674..8991, 8674..8991, 8678..8992, 8979..9056, 8979..9053, 8996..9055, 9009..9125, 9011..9124, 9040..9126		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o6.tm	Method	TBLASTX:Maize
Start	9209	End	9564
GI	none	Score	564
Exons	9209..9526, 9210..9563, 9212..9562, 9256..9564		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o2.ts	Method	TBLASTX:Soybean
Start	9239	End	9963
GI	none	Score	59
Exons	9239..9286, 9242..9283, 9282..9512, 9286..9531, 9287..9526, 9537..9845, 9538..9783, 9584..9784, 9800..9844, 9836..9958,		

9838..9963, 9838..9963

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o6.tc	Method	TBLASTX:Cress
Start	9251	End	9773
GI	none	Score	47
Exons	9251..9286, 9254..9283, 9282..9512, 9286..9531, 9287..9514, 9288..9539, 9536..9658, 9537..9650, 9538..9672, 9538..9672, 9650..9676, 9666..9773, 9668..9760		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o4.gp	Method	AAT/GAP
Start	9476	End	11445
GI	183_5.R1084	Score	2766
Exons	9476..9860, 10401..11445		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o1.tm	Method	TBLASTX:Maize
Start	9565	End	11443
GI	none	Score	756
Exons	9565..10035, 9565..10974, 9566..11002, 9584..10996, 10530..11003, 10911..11012, 11058..11141, 11059..11142, 11080..11142, 11084..11143, 11136..11435, 11138..11443, 11141..11443		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o7.tw	Method	TBLASTX:Wheat
Start	9640	End	9859
GI	none	Score	99
Exons	9640..9750, 9643..9723, 9644..9727, 9707..9838, 9709..9822, 9826..9858, 9827..9859		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o9.tc	Method	TBLASTX:Cress
Start	9820	End	9980
GI	none	Score	194
Exons	9820..9975, 9831..9941, 9838..9975, 9839..9979, 9840..9980		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671

Name	OJ000250_88.0223.C44.o6.ts	Method	TBLASTX:Soybean
Start	9965	End	10367
GI	none	Score	178
Exons	9965..10087, 9966..10088, 10100..10213, 10100..10213, 10183..10365, 10212..10367, 10214..10366		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o2.tw	Method	TBLASTX:Wheat
Start	10235	End	10645
GI	none	Score	42
Exons	10235..10294, 10286..10645, 10301..10642		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o4.tc	Method	TBLASTX:Cress
Start	10254	End	11003
GI	none	Score	365
Exons	10254..10475, 10255..10776, 10256..10732, 10256..10777, 10727..10843, 10731..10844, 10732..10758, 10735..10851, 10736..10852, 10788..10856, 10820..10894, 10825..10926, 10858..10905, 10895..10969, 10911..10979, 10921..10965, 10955..10996, 10961..11002, 10983..11003		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o8.ts	Method	TBLASTX:Soybean
Start	10525	End	11638
GI	none	Score	308
Exons	10525..10725, 10526..10732, 10526..10726, 10709..10831, 10741..10836, 10742..10831, 10788..10838, 10795..10842, 10858..10893, 10862..10894, 10894..10935, 10901..10936, 10924..10986, 11059..11124, 11061..11126, 11119..11145, 11120..11146, 11153..11257, 11180..11257, 11265..11357, 11284..11340, 11372..11410, 11471..11629, 11472..11627, 11473..11637, 11498..11638		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o10.tc	Method	TBLASTX:Cress
Start	11063	End	11284
GI	none	Score	40
Exons	11063..11098, 11088..11129, 11100..11132, 11122..11259, 11123..11266, 11124..11255, 11125..11256, 11261..11284		

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o2.tc	Method	TBLASTX:Cress
Start	11285	End	12671
GI	none	Score	110
Exons	11285..11380, 11285..11371, 11378..11404, 11378..11404, 11380..11409, 11471..11617, 11478..11609, 11512..11610,		

11574..11645, 11664..11741, 11665..11745, 11665..11745,
11666..11746, 11738..11809, 11741..11809, 11742..11810,
11765..11872, 11779..11847, 11811..11873, 11869..12000,
11889..12005, 11891..11998, 11895..12053, 11945..12052,
12013..12057, 12071..12118, 12072..12248, 12073..12255,
12156..12257, 12158..12256, 12282..12341, 12284..12343,
12295..12348, 12350..12466, 12351..12434, 12352..12468,
12436..12561, 12445..12552, 12464..12559, 12474..12566,
12560..12586, 12560..12586, 12564..12599, 12588..12671,
12590..12670, 12647..12667

Seq. No.	28391	Seq. ID	OJ000250_88.0223.C44
Gene No.	58511	Strand	-
Start	9476	End	12671
Name	OJ000250_88.0223.C44.o6.tw	Method	TBLASTX:Wheat
Start	12370	End	12671
GI	none	Score	76
Exons	12370..12465, 12370..12447, 12436..12507, 12445..12507, 12464..12508, 12477..12518, 12481..12567, 12503..12568, 12554..12631, 12571..12627, 12572..12628, 12630..12671, 12632..12670		

Seq. No.	28392	Seq. ID	OJ000250_88.0223.C45
Gene No.	58513	Strand	-
Start	1447	End	1698
Name	OJ000250_88.0223.C45.o1.ts	Method	TBLASTX:Soybean
Start	1330	End	1698
GI	none	Score	367
Exons	1330..1590, 1332..1574, 1566..1694, 1569..1694, 1573..1695, 1576..1698		

Seq. No.	28392	Seq. ID	OJ000250_88.0223.C45
Gene No.	58513	Strand	-
Start	1447	End	1698
Name	OJ000250_88.0223.C45.o2.gp	Method	AAT/GAP
Start	1447	End	1698
GI	688_1.R1084	Score	488
Exons	1447..1698		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o6.tw	Method	TBLASTX:Wheat
Start	1095	End	1433
GI	none	Score	106
Exons	1095..1193, 1112..1192, 1160..1399, 1176..1433		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o3.tw	Method	TBLASTX:Wheat
Start	2171	End	2657
GI	none	Score	392
Exons	2171..2308, 2172..2657, 2366..2626		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o1.tw	Method	TBLASTX:Wheat
Start	2822	End	3284
GI	none	Score	581
Exons	2822..3277, 2823..3284, 2826..3278		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o6.ts	Method	TBLASTX:Soybean
Start	2862	End	3227
GI	none	Score	117
Exons	2862..3086, 3093..3227		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o1.tm	Method	TBLASTX:Maize
Start	2952	End	3308
GI	none	Score	386
Exons	2952..3308, 2987..3298, 3192..3308		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o3.tm	Method	TBLASTX:Maize
Start	3335	End	3718
GI	none	Score	287
Exons	3335..3619, 3336..3620, 3608..3718		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o2.tw	Method	TBLASTX:Wheat
Start	3392	End	3811
GI	none	Score	281
Exons	3392..3622, 3393..3623, 3396..3623, 3605..3811, 3625..3786		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o3.ts	Method	TBLASTX:Soybean
Start	3471	End	3841
GI	none	Score	154
Exons	3471..3614, 3488..3613, 3644..3841		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o5.tw	Method	TBLASTX:Wheat
Start	4274	End	4708
GI	none	Score	234
Exons	4274..4498, 4339..4515, 4559..4708, 4570..4707		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50

Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o5.ts	Method	TBLASTX:Soybean
Start	4397	End	4963
GI	5666795	Score	68
Exons	4397..4495, 4571..4708, 4748..4963		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o8.tw	Method	TBLASTX:Wheat
Start	4748	End	22998
GI	none	Score	195
Exons	4748..5023, 22927..22998		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o2.tm	Method	TBLASTX:Maize
Start	5216	End	5548
GI	none	Score	371
Exons	5216..5539, 5245..5526, 5336..5548		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o4.tw	Method	TBLASTX:Wheat
Start	5353	End	5734
GI	none	Score	370
Exons	5353..5703, 5354..5734		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o7.tw	Method	TBLASTX:Wheat
Start	5735	End	6337
GI	none	Score	259
Exons	5735..6019, 5740..6024, 6211..6333, 6212..6337		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o6.tm	Method	TBLASTX:Maize
Start	6205	End	6349
GI	none	Score	186
Exons	6205..6345, 6206..6349		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o2.ts	Method	TBLASTX:Soybean
Start	18335	End	19389
GI	none	Score	92
Exons	18335..18445, 18336..18443, 18544..18624, 18756..18839, 18757..18843, 18941..19150, 18951..19142, 19270..19362, 19345..19389		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o1.tc	Method	TBLASTX:Cress
Start	18544	End	22556
GI	none	Score	54
Exons	18544..18627, 18756..18839, 18757..18843, 18941..19150, 18951..19142, 19268..19381, 19270..19563, 19430..19573, 19684..19800, 19687..19827, 19688..19828, 19921..19965, 19923..20039, 20135..20263, 20160..20264, 21698..21763, 21914..22216, 21915..22004, 21938..22039, 22137..22217, 22299..22556, 22321..22470		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o4.tm	Method	TBLASTX:Maize
Start	18888	End	19810
GI	none	Score	99
Exons	18888..19142, 18941..19171, 19268..19372, 19270..19563, 19439..19564, 19687..19809, 19688..19810		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o1.gp	Method	AAT/GAP
Start	19385	End	20243
GI	uC-osflcyp078h12b1	Score	960
Exons	19385..19562, 19689..19815, 19923..20039, 20150..20243		
GI Descrip.	'2285885/dbj|BAA21657| 3.0e-51 (D89631) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o4.ts	Method	TBLASTX:Soybean
Start	19519	End	20040
GI	none	Score	44
Exons	19519..19563, 19520..19573, 19684..19794, 19687..19827, 19688..19828, 19921..20040, 19923..20039		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o1.ts	Method	TBLASTX:Soybean
Start	21914	End	22484
GI	none	Score	71
Exons	21914..22216, 21915..22004, 22007..22039, 22146..22208, 22299..22484		

Seq. No.	28393	Seq. ID	OJ000250_88.0223.C50
Gene No.	58514	Strand	-
Start	19385	End	22998
Name	OJ000250_88.0223.C50.o5.tm	Method	TBLASTX:Maize
Start	21914	End	22216
GI	none	Score	102

Exons	21914..22216, 21915..22061		
Seq. No.	28394	Seq. ID	OJ000250_88.0223.C51
Gene No.	58515	Strand	+
Start	6342	End	6500
Name	OJ000250_88.0223.C51.o1.gp	Method	AAT/GAP
Start	6342	End	6500
GI	533_1.R1084	Score	169
Exons	6342..6395, 6418..6500		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		
Seq. No.	28394	Seq. ID	OJ000250_88.0223.C51
Gene No.	58516	Strand	+
Start	8459	End	8677
Name	OJ000250_88.0223.C51.o1.tm	Method	TBLASTX:Maize
Start	6992	End	8446
GI	none	Score	79
Exons	6992..7051, 6993..7034, 6994..7053, 7148..7198, 7148..7198, 7149..7220, 7159..7200, 8072..8173, 8073..8174, 8280..8378, 8281..8397, 8282..8446		
Seq. No.	28394	Seq. ID	OJ000250_88.0223.C51
Gene No.	58516	Strand	+
Start	8459	End	8677
Name	OJ000250_88.0223.C51.o2.gp	Method	AAT/GAP
Start	8459	End	8677
GI	2797599	Score	229
Exons	8459..8549, 8631..8677		
Seq. No.	28395	Seq. ID	OJ000250_88.0223.C53
Gene No.	58517	Strand	+
Start	85	End	223
Name	OJ000250_88.0223.C53.o1.gp	Method	AAT/GAP
Start	85	End	223
GI	306_9.R1084	Score	237
Exons	85..223		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		
Seq. No.	28396	Seq. ID	OJ000250_83.0222.C1
Gene No.	58518	Strand	+
Start	75	End	695
Name	OJ000250_83.0222.C1.o1.gs	Method	GENSCAN
Start	75	End	695
GI	none	Score	.54
Exons	75..454, 647..695		
Seq. No.	28397	Seq. ID	OJ000250_83.0222.C2
Gene No.	58519	Strand	-
Start	159	End	553
Name	OJ000250_83.0222.C2.o1.gs	Method	GENSCAN
Start	159	End	553
GI	none	Score	.51
Exons	159..440, 541..553		

Seq. No.	28398	Seq. ID	OJ000250_83.0222.C4
Gene No.	58520	Strand	+
Start	4325	End	4632
Name	OJ000250_83.0222.C4.o1.np	Method	AAT/NAP
Start	4325	End	4632
GI	6539588	Score	214
Exons	4325..4632		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28398	Seq. ID	OJ000250_83.0222.C4
Gene No.	58521	Strand	-
Start	4442	End	4592
Name	OJ000250_83.0222.C4.o1.gs	Method	GENSCAN
Start	4442	End	4592
GI	none	Score	.71
Exons	4442..4592		

Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o1.np	Method	AAT/NAP
Start	1898	End	4216
GI	3645899	Score	908
Exons	1898..4216		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	2310	End	2867
GI	none	Score	124
Exons	2310..2540, 2580..2867, 2688..2858, 2693..2866		

Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o2.tm	Method	TBLASTX:Maize
Start	2535	End	3170
GI	none	Score	87
Exons	2535..2600, 2540..2602, 2601..3023, 2663..3022, 3018..3170		

Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o2.ts	Method	TBLASTX:Soybean
Start	2709	End	3170
GI	none	Score	250
Exons	2709..3020, 2726..3013, 3042..3170		

Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o1.tc	Method	TBLASTX:Cress
Start	2726	End	3169
GI	none	Score	170

Exons	2726..2812, 2727..3017, 3032..3169, 3033..3164		
Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o1.ts	Method	TBLASTX:Soybean
Start	3490	End	3900
GI	none	Score	358
Exons	3490..3900, 3507..3653, 3714..3890		
Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o3.tm	Method	TBLASTX:Maize
Start	3522	End	3705
GI	none	Score	192
Exons	3522..3659, 3523..3705, 3535..3705		
Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o2.tw	Method	TBLASTX:Wheat
Start	3529	End	3960
GI	none	Score	103
Exons	3529..3678, 3703..3960, 3714..3842		
Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o1.tm	Method	TBLASTX:Maize
Start	3706	End	4215
GI	none	Score	570
Exons	3706..4215, 3714..4214		
Seq. No.	28399	Seq. ID	OJ000250_83.0222.C5
Gene No.	58522	Strand	+
Start	1898	End	4216
Name	OJ000250_83.0222.C5.o3.ts	Method	TBLASTX:Soybean
Start	3907	End	4209
GI	none	Score	179
Exons	3907..4113, 3912..4070, 4132..4209		
Seq. No.	28400	Seq. ID	OJ000250_83.0222.C6
Gene No.	58523	Strand	+
Start	2010	End	2309
Name	OJ000250_83.0222.C6.o1.np	Method	AAT/NAP
Start	2010	End	2309
GI	6539588	Score	217
Exons	2010..2309		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	28400	Seq. ID	OJ000250_83.0222.C6
Gene No.	58524	Strand	+
Start	11894	End	12178
Name	OJ000250_83.0222.C6.o2.np	Method	AAT/NAP
Start	11894	End	12178
GI	3645899	Score	105

Exons	11894..12178		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	28401	Seq. ID	OJ000250_83.0222.C7
Gene No.	58525	Strand	+
Start	302	End	676
Name	OJ000250_83.0222.C7.o1.gs	Method	GENSCAN
Start	302	End	676
GI	none	Score	.7
Exons	302..676		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224
Name	OJ000250_83.0222.C8.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	3777527	Score	733
Exons	1..116, 276..1224		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224
Name	OJ000250_83.0222.C8.o1.gs	Method	GENSCAN
Start	130	End	1151
GI	none	Score	.84
Exons	130..183, 378..623, 1028..1151		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224
Name	OJ000250_83.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	387	End	967
GI	5509260	Score	38
Exons	387..437, 459..614, 470..604, 570..953, 622..954, 797..967, 805..966		
GI Descrip.	-		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224
Name	OJ000250_83.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	516	End	954
GI	none	Score	77
Exons	516..605, 516..599, 634..954, 639..776, 798..950		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224
Name	OJ000250_83.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	621	End	873
GI	none	Score	182
Exons	621..872, 622..873		

Seq. No.	28402	Seq. ID	OJ000250_83.0222.C8
Gene No.	58526	Strand	+
Start	1	End	1224

Name	OJ000250_83.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	792	End	1219
GI	none	Score	107
Exons	792..953, 795..947, 805..954, 805..975, 952..1017, 959..1189, 962..1219		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58527	Strand	+
Start	2627	End	2790
Name	OJ000250_83.0222.C9.o1.gp	Method	AAT/GAP
Start	2627	End	2790
GI	3106931	Score	215
Exons	2627..2790		
GI Descrip.	4680335/gb|AF128457.1|AF128457 2.0e-28 Oryza sativa subsp. indica BAC clone 16F19 php20725 region, complete sequence		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58528	Strand	+
Start	8528	End	10312
Name	OJ000250_83.0222.C9.o3.np	Method	AAT/NAP
Start	8528	End	10312
GI	5803260	Score	333
Exons	8528..9482, 10209..10312		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58529	Strand	+
Start	14518	End	15132
Name	OJ000250_83.0222.C9.o5.np	Method	AAT/NAP
Start	14518	End	15132
GI	6069654	Score	146
Exons	14518..15132		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58530	Strand	-
Start	1	End	1921
Name	OJ000250_83.0222.C9.o1.np	Method	AAT/NAP
Start	1	End	1921
GI	4680203	Score	1806
Exons	1..127, 277..1921		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58531	Strand	-
Start	3288	End	8046
Name	OJ000250_83.0222.C9.o2.np	Method	AAT/NAP
Start	3288	End	8046
GI	6063554	Score	303
Exons	3288..3460, 4402..4646, 4755..4984, 8024..8046		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490

Name	OJ000250_83.0222.C9.o1.tw	Method	TBLASTX:Wheat
Start	2	End	11609
GI	none	Score	55
Exons	2..79, 9..80, 112..324, 113..331, 113..331, 153..335, 341..403, 347..403, 357..407, 11158..11283, 11162..11284, 11162..11284, 11179..11298, 11181..11297, 11294..11536, 11318..11536, 11358..11540, 11508..11609, 11546..11608		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490
Name	OJ000250_83.0222.C9.o1.tm	Method	TBLASTX:Maize
Start	509	End	12108
GI	none	Score	76
Exons	509..703, 713..838, 838..936, 11714..11908, 11918..12043, 12037..12108		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490
Name	OJ000250_83.0222.C9.o2.tw	Method	TBLASTX:Wheat
Start	547	End	12205
GI	none	Score	126
Exons	547..750, 548..772, 737..838, 753..839, 853..957, 857..958, 955..1011, 967..1011, 11748..11954, 11750..11956, 11752..11955, 11957..12043, 11958..12044, 12058..12111, 12062..12112, 12111..12161, 12123..12161, 12170..12205		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490
Name	OJ000250_83.0222.C9.o1.ts	Method	TBLASTX:Soybean
Start	1172	End	12483
GI	none	Score	76
Exons	1172..1222, 1240..1458, 1247..1420, 12367..12438, 12445..12483		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490
Name	OJ000250_83.0222.C9.o3.tw	Method	TBLASTX:Wheat
Start	1238	End	12490
GI	none	Score	203
Exons	1238..1480, 1240..1491, 1241..1483, 12430..12486, 12445..12486, 12446..12490		

Seq. No.	28403	Seq. ID	OJ000250_83.0222.C9
Gene No.	58532	Strand	-
Start	9363	End	12490
Name	OJ000250_83.0222.C9.o4.np	Method	AAT/NAP
Start	9363	End	12324
GI	6742729	Score	1591
Exons	9363..9384, 11113..12324		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58533	Strand	+
Start	8040	End	11213

Name	OJ000250_83.0222.C10.o3.np	Method	AAT/NAP
Start	8040	End	11121
GI	6587820	Score	478
Exons	8040..8068, 9815..9998, 10138..11121		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58533	Strand	+
Start	8040	End	11213
Name	OJ000250_83.0222.C10.o3.gs	Method	GENSCAN
Start	10179	End	11213
GI	none	Score	.55
Exons	10179..11213		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58534	Strand	+
Start	14192	End	14608
Name	OJ000250_83.0222.C10.o5.gs	Method	GENSCAN
Start	14192	End	14608
GI	none	Score	.71
Exons	14192..14608		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58535	Strand	+
Start	29250	End	31769
Name	OJ000250_83.0222.C10.o7.gs	Method	GENSCAN
Start	29250	End	31769
GI	none	Score	.83
Exons	29250..29307, 31540..31769		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58536	Strand	+
Start	36468	End	37233
Name	OJ000250_83.0222.C10.o8.gs	Method	GENSCAN
Start	36468	End	37233
GI	none	Score	.7
Exons	36468..36551, 37096..37233		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58537	Strand	+
Start	38193	End	42536
Name	OJ000250_83.0222.C10.o9.gs	Method	GENSCAN
Start	38193	End	38627
GI	none	Score	.83
Exons	38193..38373, 38551..38627		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58537	Strand	+
Start	38193	End	42536
Name	OJ000250_83.0222.C10.o3.gp	Method	AAT/GAP
Start	38493	End	39720
GI	LIB3432-022-P1-K1-E11	Score	895
Exons	38493..38560, 39178..39333, 39456..39720		
GI Descrip.	'3953479 8.0e-09 (AC002328) F22O2.24 [Arabidopsis thaliana]'		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58537	Strand	+
Start	38193	End	42536
Name	OJ000250_83.0222.C10.o10.gs	Method	GENSCAN
Start	39235	End	42536
GI	none	Score	.88
Exons	39235..39333, 39456..39714, 39928..40069, 40146..40296, 40378..40578, 42126..42536		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58537	Strand	+
Start	38193	End	42536
Name	OJ000250_83.0222.C10.o4.gp	Method	AAT/GAP
Start	41055	End	41464
GI	LIB3432-012-P1-K1-G7	Score	740
Exons	41055..41464		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-38 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58538	Strand	+
Start	43132	End	43779
Name	OJ000250_83.0222.C10.o11.gs	Method	GENSCAN
Start	43132	End	43779
GI	none	Score	.84
Exons	43132..43498, 43556..43779		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58539	Strand	+
Start	46180	End	53316
Name	OJ000250_83.0222.C10.o8.np	Method	AAT/NAP
Start	46180	End	49496
GI	5803260	Score	880
Exons	46180..47113, 47834..47938, 48508..49496		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58539	Strand	+
Start	46180	End	53316
Name	OJ000250_83.0222.C10.o9.np	Method	AAT/NAP
Start	48775	End	53316
GI	4539658	Score	208
Exons	48775..48827, 50203..50339, 50424..50571, 53285..53316		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58539	Strand	+
Start	46180	End	53316
Name	OJ000250_83.0222.C10.o10.np	Method	AAT/NAP
Start	49469	End	50580
GI	4539658	Score	202
Exons	49469..49515, 50205..50339, 50424..50580		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10

Gene No.	58540	Strand	+
Start	57446	End	61250
Name	OJ000250_83.0222.C10.o11.np	Method	AAT/NAP
Start	57446	End	61250
GI	6721547	Score	94
Exons	57446..57532, 59445..59550, 61190..61250		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58541	Strand	+
Start	62956	End	63501
Name	OJ000250_83.0222.C10.o12.np	Method	AAT/NAP
Start	62956	End	63501
GI	6721547	Score	81
Exons	62956..63052, 63482..63501		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58542	Strand	-
Start	1	End	3446
Name	OJ000250_83.0222.C10.o1.np	Method	AAT/NAP
Start	1	End	3446
GI	4680203	Score	491
Exons	1..91, 1483..2184, 3423..3446		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58542	Strand	-
Start	1	End	3446
Name	OJ000250_83.0222.C10.o2.np	Method	AAT/NAP
Start	1811	End	3233
GI	5852182	Score	310
Exons	1811..2146, 3102..3233		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58542	Strand	-
Start	1	End	3446
Name	OJ000250_83.0222.C10.o1.gp	Method	AAT/GAP
Start	2941	End	3115
GI	LIB3433-026-P1-K1-C1	Score	247
Exons	2941..3115		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58543	Strand	-
Start	8679	End	9854
Name	OJ000250_83.0222.C10.o2.gs	Method	GENSCAN
Start	8679	End	9854
GI	none	Score	.57
Exons	8679..8882, 9080..9397, 9795..9854		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58544	Strand	-
Start	11602	End	11928
Name	OJ000250_83.0222.C10.o4.gs	Method	GENSCAN

Start	11602	End	11928
GI	none	Score	.42
Exons	11602..11928		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58545	Strand	-
Start	12769	End	13172
Name	OJ000250_83.0222.C10.o4.np	Method	AAT/NAP
Start	12769	End	13172
GI	2462640	Score	470
Exons	12769..13172		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o2.tw	Method	TBLASTX:Wheat
Start	1484	End	1789
GI	none	Score	182
Exons	1484..1699, 1485..1691, 1682..1789		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	10110	End	49502
GI	none	Score	61
Exons	10110..10196, 10130..10159, 10209..10307, 10235..10417, 10308..10514, 10529..10588, 10605..10694, 10719..10841, 10721..10834, 10842..11057, 25764..25922, 26138..26305, 39303..39332, 39453..39602, 39859..39915, 39915..40022, 40147..40245, 48555..48644, 48575..48616, 48636..48791, 48680..48766, 48753..48959, 48854..48919, 48974..49042, 48978..49040, 49049..49135, 49050..49139, 49158..49286, 49158..49274, 49287..49502		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o1.tc	Method	TBLASTX:Cress
Start	10137	End	49295
GI	none	Score	42
Exons	10137..10193, 10194..10307, 10308..10490, 10605..10694, 10698..10850, 23594..23779, 25764..25928, 39915..40022, 40147..40245, 46699..46833, 46933..46989, 47017..47106, 48585..48620, 48636..48767, 48753..48935, 48761..48916, 48975..49040, 49037..49135, 49050..49139, 49143..49295, 49221..49295		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	10209	End	49286
GI	none	Score	78
Exons	10209..10307, 10365..10502, 10605..10688, 10619..10696, 10719..10853, 10721..10840, 25716..25940, 26039..26095,		

26138..26233, 39887..40018, 39915..40022, 40147..40269,
48654..48752, 48680..48742, 48810..48947, 48830..48916,
48975..49040, 48977..49021, 49047..49133, 49064..49141,
49161..49286, 49217..49279

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o1.tw	Method	TBLASTX:Wheat
Start	10605	End	49277
GI	none	Score	75

Exons 10605..10709, 10722..10832, 25511..25609, 25518..25607,
25711..25851, 25743..25850, 25866..25949, 25889..25924,
26048..26239, 26049..26084, 26138..26230, 26256..26306,
26261..26314, 39519..39710, 39853..39921, 39856..39900,
39857..39916, 39936..40022, 39936..40028, 39937..40038,
39967..40038, 40146..40241, 40147..40245, 49050..49139,
49161..49277

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o2.tm	Method	TBLASTX:Maize
Start	12657	End	12993
GI	none	Score	60

Exons 12657..12713, 12733..12807, 12752..12799, 12800..12979,
12817..12993

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o6.gs	Method	GENSCAN
Start	15718	End	26532
GI	none	Score	.84

Exons 15718..15993, 16235..16435, 17536..17805, 18467..18664,
18770..19042, 19187..19399, 23561..23761, 25044..25157,
25460..25613, 25714..25942, 26044..26302, 26434..26532

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o4.tm	Method	TBLASTX:Maize
Start	15724	End	19369
GI	none	Score	110

Exons 15724..15813, 16244..16366, 16248..16370, 16391..16423,
16395..16424, 17566..17730, 18479..18655, 18480..18659,
18806..18955, 18806..18967, 18813..18968, 18819..18968,
19214..19369, 19266..19346

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o5.np	Method	AAT/NAP
Start	18800	End	20859
GI	1167955	Score	371

Exons 18800..19042, 19199..19393, 20836..20859
GI Descrip. (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum

vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o6.np	Method	AAT/NAP
Start	18800	End	21041
GI	1167953	Score	375
Exons	18800..19042, 19199..19388, 21013..21041		
GI Descrip.	(U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o2.gp	Method	AAT/GAP
Start	18831	End	25493
GI	2427628	Score	847
Exons	18831..19042, 19187..19399, 25460..25493		
GI Descrip.	1167953 2.0e-26 (U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] >gi_2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o7.np	Method	AAT/NAP
Start	25480	End	29534
GI	4008008	Score	265
Exons	25480..25641, 25739..25944, 26040..26094, 26143..26302, 26434..26550, 29447..29534		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58546	Strand	-
Start	15718	End	49502
Name	OJ000250_83.0222.C10.o3.tm	Method	TBLASTX:Maize
Start	43127	End	43478
GI	none	Score	38
Exons	43127..43162, 43208..43285, 43237..43371, 43240..43392, 43245..43376, 43379..43438, 43380..43478, 43395..43475		

Seq. No.	28404	Seq. ID	OJ000250_83.0222.C10
Gene No.	58547	Strand	
Start	50130	End	50949
Name	OJ000250_83.0222.C10.o5.tm	Method	TBLASTX:Maize
Start	50130	End	50949
GI	none	Score	114
Exons	50130..50231, 50133..50237, 50135..50236, 50209..50346, 50222..50347, 50225..50350, 50235..50351, 50624..50746, 50626..50748, 50634..50753, 50637..50744, 50638..50754, 50746..50781, 50770..50835, 50807..50944, 50820..50924, 50828..50932, 50833..50949		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58548	Strand	+
Start	865	End	5359

Name	OJ000250_83.0222.C11.o1.gs	Method	GENSCAN
Start	865	End	4292
GI	none	Score	.57
Exons	865..1750, 2855..3072, 3264..4292		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58548	Strand	+
Start	865	End	5359
Name	OJ000250_83.0222.C11.o1.np	Method	AAT/NAP
Start	1609	End	5359
GI	6665543	Score	524
Exons	1609..1750, 2855..2935, 3116..4207, 5335..5359		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58549	Strand	+
Start	6403	End	8039
Name	OJ000250_83.0222.C11.o3.gs	Method	GENSCAN
Start	6403	End	7731
GI	none	Score	.6
Exons	6403..6415, 6516..6797, 6887..7731		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58549	Strand	+
Start	6403	End	8039
Name	OJ000250_83.0222.C11.o2.np	Method	AAT/NAP
Start	6520	End	8039
GI	4680203	Score	982
Exons	6520..8039		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58550	Strand	+
Start	14708	End	17936
Name	OJ000250_83.0222.C11.o5.gs	Method	GENSCAN
Start	14708	End	17936
GI	none	Score	.79
Exons	14708..14768, 15339..16190, 16490..16657, 16786..17936		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58550	Strand	+
Start	14708	End	17936
Name	OJ000250_83.0222.C11.o3.np	Method	AAT/NAP
Start	15722	End	17933
GI	423988	Score	631
Exons	15722..16190, 16490..16642, 16789..17933		
GI Descrip.	serine/threonine kinase homolog PRO25 - Arabidopsis thaliana gi|166813 (L04999) serine threonine kinase [Arabidopsis thaliana]		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58551	Strand	+
Start	23667	End	26856
Name	OJ000250_83.0222.C11.o5.np	Method	AAT/NAP
Start	23664	End	26856
GI	5803260	Score	247
Exons	23664..24581, 26808..26856		

GI Descrip. (AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58551	Strand	+
Start	23667	End	26856
Name	OJ000250_83.0222.C11.o7.gs	Method	GENSCAN
Start	23667	End	24575
GI	none	Score	.98
Exons	23667..24472, 24518..24575		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58551	Strand	+
Start	23667	End	26856
Name	OJ000250_83.0222.C11.o4.np	Method	AAT/NAP
Start	23721	End	26659
GI	6587820	Score	80
Exons	23721..23887, 26577..26659		

GI Descrip. (AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58552	Strand	+
Start	26876	End	27522
Name	OJ000250_83.0222.C11.o8.gs	Method	GENSCAN
Start	26876	End	27522
GI	none	Score	.53
Exons	26876..27038, 27065..27163, 27184..27254, 27361..27522		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58553	Strand	-
Start	5187	End	5601
Name	OJ000250_83.0222.C11.o2.gs	Method	GENSCAN
Start	5187	End	5601
GI	none	Score	.61
Exons	5187..5320, 5439..5601		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58554	Strand	-
Start	18369	End	20904
Name	OJ000250_83.0222.C11.o6.gs	Method	GENSCAN
Start	18369	End	20904
GI	none	Score	.64
Exons	18369..18488, 18551..18693, 19208..19444, 20787..20904		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58555	Strand	-
Start	23893	End	27391
Name	OJ000250_83.0222.C11.o6.np	Method	AAT/NAP
Start	23893	End	26288
GI	5732705	Score	141
Exons	23893..23918, 25013..25150, 26265..26288		

GI Descrip. (AF159388) thioredoxin-like protein [Phalaris coerulescens] gi|5732707|gb|AAD49234.1|AF159389_1 (AF159389) thioredoxin-like protein [Phalaris coerulescens]

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11

Gene No.	58555	Strand	-
Start	23893	End	27391
Name	OJ000250_83.0222.C11.o1.gp	Method	AAT/GAP
Start	25020	End	25150
GI	54795_1.R1084	Score	175
Exons	25020..25150		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58555	Strand	-
Start	23893	End	27391
Name	OJ000250_83.0222.C11.o7.np	Method	AAT/NAP
Start	25726	End	27391
GI	22490	Score	204
Exons	25726..26044, 27342..27391		
GI Descrip.	(X01380) ORF1 [Zea mays]		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o1.tc	Method	TBLASTX:Cress
Start	955	End	24572
GI	none	Score	62
Exons	955..1008, 1105..1164, 1666..1728, 3246..3305, 3306..3419, 3347..3418, 3432..3602, 3479..3583, 3704..3802, 3705..3806, 3810..4043, 16088..16168, 16537..16626, 16890..16946, 16947..17120, 17073..17243, 17373..17447, 17451..17666, 24177..24251, 24252..24350, 24492..24572		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o1.ts	Method	TBLASTX:Soybean
Start	3213	End	17594
GI	none	Score	44
Exons	3213..3281, 3321..3419, 3477..3614, 3479..3583, 3642..3707, 3644..3706, 3711..3800, 3731..3814, 3831..3965, 3833..3946, 16854..16922, 16962..17087, 16988..17050, 17118..17255, 17120..17224, 17372..17449, 17373..17441, 17472..17594, 17474..17593		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o1.tm	Method	TBLASTX:Maize
Start	3222	End	17783
GI	none	Score	61
Exons	3222..3311, 3321..3419, 3432..3626, 3641..3706, 3645..3707, 3710..3802, 3711..3806, 3831..3953, 3954..4145, 16962..17120, 16988..17074, 17073..17267, 17168..17227, 17357..17443, 17373..17447, 17472..17594, 17474..17587, 17595..17765, 17640..17783		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765

Name	OJ000250_83.0222.C11.o4.tw	Method	TBLASTX:Wheat
Start	3336	End	17281
GI	none	Score	94
Exons	3336..3434, 3342..3407, 3347..3409, 3432..3623, 3479..3583, 3510..3632, 16977..17120, 16988..17050, 17073..17243, 17120..17224, 17138..17281		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o5.tw	Method	TBLASTX:Wheat
Start	3657	End	29354
GI	none	Score	40
Exons	3657..3719, 3659..3799, 3717..3806, 3824..3964, 3825..3953, 17357..17440, 17373..17447, 17454..17594, 17465..17605, 29244..29354		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o3.tw	Method	TBLASTX:Wheat
Start	6868	End	7416
GI	none	Score	211
Exons	6868..7284, 7297..7416		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o2.ts	Method	TBLASTX:Soybean
Start	6991	End	7269
GI	none	Score	314
Exons	6991..7146, 6993..7262, 6994..7269		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o2.tc	Method	TBLASTX:Cress
Start	7294	End	7644
GI	none	Score	275
Exons	7294..7644, 7302..7451, 7491..7643		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o4.ts	Method	TBLASTX:Soybean
Start	7294	End	7563
GI	none	Score	191
Exons	7294..7563, 7308..7550		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o4.tm	Method	TBLASTX:Maize
Start	7422	End	7931
GI	none	Score	193
Exons	7422..7463, 7492..7722, 7554..7715, 7738..7863, 7739..7831, 7872..7931		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o2.tw	Method	TBLASTX:Wheat
Start	7476	End	7854
GI	none	Score	104
Exons	7476..7583, 7486..7590, 7596..7694, 7596..7697, 7597..7707, 7737..7853, 7738..7854		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o5.tm	Method	TBLASTX:Maize
Start	25040	End	25151
GI	none	Score	162
Exons	25040..25150, 25044..25151		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o3.tm	Method	TBLASTX:Maize
Start	25804	End	26064
GI	none	Score	130
Exons	25804..26064, 25811..25993		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o3.ts	Method	TBLASTX:Soybean
Start	25804	End	26064
GI	none	Score	111
Exons	25804..26064, 25808..25993		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o8.np	Method	AAT/NAP
Start	28255	End	33765
GI	5441880	Score	2725
Exons	28255..28469, 28763..29013, 29252..29517, 29622..29920, 30500..30833, 30942..31081, 31693..32019, 32278..32309, 32754..33765		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o9.gs	Method	GENSCAN
Start	28306	End	33723
GI	none	Score	.82
Exons	28306..28711, 28769..28791, 28907..29008, 29055..29162, 29345..29504, 29622..29920, 30001..30119, 30192..30414, 30519..30688, 30712..30866, 30942..31015, 31699..31925, 32097..32176, 32228..33723		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o2.gp	Method	AAT/GAP
Start	28576	End	30827
GI	LIB3433-020-P1-K1-A6	Score	750
Exons	28576..28962, 30785..30827		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	32527	End	32904
GI	none	Score	67
Exons	32527..32700, 32538..32693, 32633..32701, 32734..32901, 32750..32902, 32755..32904		

Seq. No.	28405	Seq. ID	OJ000250_83.0222.C11
Gene No.	58556	Strand	-
Start	28306	End	33765
Name	OJ000250_83.0222.C11.o2.tm	Method	TBLASTX:Maize
Start	32602	End	33198
GI	none	Score	220
Exons	32602..32673, 32719..33198, 32720..33193		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58557	Strand	+
Start	3252	End	5538
Name	OJ000250_83.0222.C12.o1.np	Method	AAT/NAP
Start	3252	End	5538
GI	5295955	Score	298
Exons	3252..3375, 4121..4188, 4407..4761, 4964..5538		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58558	Strand	+
Start	7238	End	8838
Name	OJ000250_83.0222.C12.o2.np	Method	AAT/NAP
Start	7238	End	8838
GI	5803260	Score	423
Exons	7238..7335, 7691..8838		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58559	Strand	-
Start	447	End	6268
Name	OJ000250_83.0222.C12.o1.gs	Method	GENSCAN
Start	447	End	6268
GI	none	Score	.62
Exons	447..507, 1454..1595, 1674..1753, 1806..1886, 2119..2244, 4164..4289, 4516..4609, 4703..4782, 5203..5407, 5950..6022, 6210..6268		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58560	Strand	
Start	7738	End	8723
Name	OJ000250_83.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	7738	End	8469
GI	none	Score	63
Exons	7738..7827, 7837..7935, 7858..7920, 7936..8142, 8004..8102, 8157..8225, 8161..8223, 8232..8318, 8233..8322, 8347..8469, 8349..8468		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58560	Strand	
Start	7738	End	8723
Name	OJ000250_83.0222.C12.o1.ts	Method	TBLASTX:Soybean
Start	7753	End	8481
GI	none	Score	42
Exons	7753..7797, 7837..7935, 7984..8130, 8004..8099, 8230..8316, 8247..8324, 8347..8481, 8349..8462		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58560	Strand	
Start	7738	End	8723
Name	OJ000250_83.0222.C12.o1.tc	Method	TBLASTX:Cress
Start	7765	End	8723
GI	none	Score	45
Exons	7765..7821, 7822..7995, 7936..8118, 8004..8099, 8160..8222, 8220..8318, 8233..8322, 8326..8523, 8400..8477, 8571..8723		

Seq. No.	28406	Seq. ID	OJ000250_83.0222.C12
Gene No.	58560	Strand	
Start	7738	End	8723
Name	OJ000250_83.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	8083	End	8480
GI	none	Score	50
Exons	8083..8229, 8232..8315, 8233..8322, 8340..8480, 8341..8469		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58561	Strand	+
Start	12254	End	13547
Name	OJ000250_83.0222.C13.o4.gs	Method	GENSCAN
Start	12254	End	13547
GI	none	Score	.85
Exons	12254..12565, 12584..12710, 13202..13291, 13450..13547		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58562	Strand	-
Start	5843	End	7117
Name	OJ000250_83.0222.C13.o2.gs	Method	GENSCAN
Start	5843	End	7033
GI	none	Score	.69
Exons	5843..6021, 6146..6357, 6867..7033		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58562	Strand	-
Start	5843	End	7117
Name	OJ000250_83.0222.C13.o1.np	Method	AAT/NAP
Start	5876	End	7117

GI	6822058	Score	300
Exons	5876..6021, 6146..6357, 6867..7117		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58563	Strand	-
Start	15092	End	15237
Name	OJ000250_83.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	5933	End	7048
GI	none	Score	46
Exons	5933..6043, 5955..6041, 6144..6359, 6145..6360, 6866..6895, 6953..7048		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58563	Strand	-
Start	15092	End	15237
Name	OJ000250_83.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	5933	End	7048
GI	none	Score	46
Exons	5933..6043, 5955..6041, 6144..6359, 6145..6360, 6866..6895, 6953..7048		

Seq. No.	28407	Seq. ID	OJ000250_83.0222.C13
Gene No.	58563	Strand	-
Start	15092	End	15237
Name	OJ000250_83.0222.C13.o1.gp	Method	AAT/GAP
Start	15092	End	15237
GI	21474_1.R1084	Score	241
Exons	15092..15237		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28408	Seq. ID	OJ000250_83.0222.C14
Gene No.	58564	Strand	-
Start	493	End	4204
Name	OJ000250_83.0222.C14.o1.gs	Method	GENSCAN
Start	493	End	4189
GI	none	Score	.82
Exons	493..678, 758..856, 951..1023, 1108..1218, 1315..1488, 1598..2283, 2285..2427, 2553..2641, 2934..4189		

Seq. No.	28408	Seq. ID	OJ000250_83.0222.C14
Gene No.	58564	Strand	-
Start	493	End	4204
Name	OJ000250_83.0222.C14.o1.np	Method	AAT/NAP
Start	511	End	4204
GI	4680204	Score	1056
Exons	511..648, 999..1218, 1315..1488, 1598..2694, 2769..4204		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28408	Seq. ID	OJ000250_83.0222.C14
Gene No.	58564	Strand	-
Start	493	End	4204
Name	OJ000250_83.0222.C14.o2.tw	Method	TBLASTX:Wheat
Start	1149	End	1671
GI	none	Score	68
Exons	1149..1220, 1320..1502, 1327..1452, 1591..1671		

Seq. No.	28408	Seq. ID	OJ000250_83.0222.C14
Gene No.	58564	Strand	-
Start	493	End	4204
Name	OJ000250_83.0222.C14.o1.tw	Method	TBLASTX:Wheat
Start	3158	End	3561
GI	none	Score	84
Exons	3158..3328, 3291..3458, 3323..3559, 3410..3559, 3421..3561, 3451..3561		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.gp	Method	AAT/GAP
Start	37	End	3988
GI	342_1.R1084	Score	6616
Exons	37..554, 664..768, 887..3988		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o7.gp	Method	AAT/GAP
Start	207	End	3988
GI	342_1.R1084	Score	6315
Exons	207..554, 664..768, 887..3988		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o8.gp	Method	AAT/GAP
Start	209	End	3988
GI	342_1.R1084	Score	6311
Exons	209..554, 664..768, 887..3988		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o6.gp	Method	AAT/GAP
Start	210	End	3988
GI	342_1.R1084	Score	6309
Exons	210..554, 664..768, 887..3988		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o5.gp	Method	AAT/GAP
Start	211	End	3988
GI	342_1.R1084	Score	6307
Exons	211..554, 664..768, 887..3988		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o4.gp	Method	AAT/GAP
Start	217	End	3988
GI	342_1.R1084	Score	6295
Exons	217..554, 664..768, 887..3988		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	1046	End	2362
GI	none	Score	131
Exons	1046..1138, 1127..1207, 1220..1360, 1221..1361, 1308..1403, 1340..1399, 1406..1450, 1406..1450, 1445..1609, 1461..1604, 1591..1776, 1606..2361, 1631..2362		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.np	Method	AAT/NAP
Start	1530	End	3489
GI	6742729	Score	3134
Exons	1530..3489		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	1627	End	2078
GI	none	Score	85
Exons	1627..1776, 1627..2070, 1631..2074, 1637..2074, 1896..2078		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	2005	End	2319
GI	none	Score	68
Exons	2005..2235, 2005..2319, 2033..2308		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o3.tw	Method	TBLASTX:Wheat
Start	2363	End	2776
GI	none	Score	81
Exons	2363..2449, 2365..2454, 2365..2448, 2481..2684, 2482..2700, 2522..2704, 2710..2772, 2723..2776		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o2.ts	Method	TBLASTX:Soybean
Start	2806	End	3048
GI	none	Score	216
Exons	2806..3048		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	2878	End	3336
GI	none	Score	102
Exons	2878..3072, 3082..3336, 3082..3324		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o2.tw	Method	TBLASTX:Wheat
Start	2912	End	3381
GI	none	Score	173
Exons	2912..3118, 2912..3121, 2917..3120, 2917..3141, 3121..3219, 3122..3214, 3223..3327, 3227..3316, 3328..3381, 3329..3373		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o2.tc	Method	TBLASTX:Cress
Start	3169	End	3517
GI	none	Score	88
Exons	3169..3510, 3188..3325, 3365..3517		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	3250	End	3679
GI	none	Score	121
Exons	3250..3546, 3268..3492, 3541..3603, 3596..3679, 3604..3678		

Seq. No.	28409	Seq. ID	OJ000250_83.0222.C15
Gene No.	58565	Strand	-
Start	37	End	3988
Name	OJ000250_83.0222.C15.o4.tw	Method	TBLASTX:Wheat
Start	3600	End	3988
GI	none	Score	186
Exons	3600..3851, 3610..3861, 3611..3853, 3844..3951, 3866..3988		

Seq. No.	28410	Seq. ID	OJ000250_83.0222.C16
Gene No.	58566	Strand	-
Start	298	End	810
Name	OJ000250_83.0222.C16.o1.gs	Method	GENSCAN
Start	298	End	810
GI	none	Score	.68
Exons	298..364, 725..810		

Seq. No.	28411	Seq. ID	OJ000250_83.0222.C17
Gene No.	58567	Strand	-
Start	84	End	787
Name	OJ000250_83.0222.C17.o1.gs	Method	GENSCAN
Start	84	End	787
GI	none	Score	.82
Exons	84..787		

Seq. No.	28412	Seq. ID	OJ000250_83.0222.C21
Gene No.	58568	Strand	+
Start	196	End	378
Name	OJ000250_83.0222.C21.o1.gs	Method	GENSCAN
Start	196	End	378
GI	none	Score	.49
Exons	196..378		

Seq. No.	28413	Seq. ID	OJ000250_83.0222.C22
Gene No.	58569	Strand	-
Start	1	End	687
Name	OJ000250_83.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	687
GI	4680179	Score	999
Exons	1..687		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28413	Seq. ID	OJ000250_83.0222.C22
Gene No.	58569	Strand	-
Start	1	End	687
Name	OJ000250_83.0222.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	518
GI	none	Score	184
Exons	1..360, 3..359, 357..518, 364..510		

Seq. No.	28413	Seq. ID	OJ000250_83.0222.C22
Gene No.	58569	Strand	-
Start	1	End	687
Name	OJ000250_83.0222.C22.o1.tw	Method	TBLASTX:Wheat
Start	72	End	686
GI	none	Score	59
Exons	72..686, 75..197, 184..642		

Seq. No.	28413	Seq. ID	OJ000250_83.0222.C22
Gene No.	58569	Strand	-
Start	1	End	687
Name	OJ000250_83.0222.C22.o2.tm	Method	TBLASTX:Maize
Start	519	End	687
GI	none	Score	98
Exons	519..686, 522..686, 547..687		

Seq. No.	28414	Seq. ID	OJ000250_83.0222.C23
Gene No.	58570	Strand	-
Start	1	End	713
Name	OJ000250_83.0222.C23.o1.np	Method	AAT/NAP
Start	1	End	713
GI	4680179	Score	921
Exons	1..713		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28414	Seq. ID	OJ000250_83.0222.C23
Gene No.	58570	Strand	-
Start	1	End	713
Name	OJ000250_83.0222.C23.o1.tm	Method	TBLASTX:Maize
Start	3	End	377
GI	none	Score	59
Exons	3..377, 43..147, 159..326		

Seq. No.	28414	Seq. ID	OJ000250_83.0222.C23
Gene No.	58570	Strand	-
Start	1	End	713
Name	OJ000250_83.0222.C23.o1.tw	Method	TBLASTX:Wheat
Start	3	End	486
GI	none	Score	297
Exons	3..377, 43..486, 432..482		

Seq. No.	28414	Seq. ID	OJ000250_83.0222.C23
Gene No.	58570	Strand	-
Start	1	End	713
Name	OJ000250_83.0222.C23.o1.gs	Method	GENSCAN
Start	16	End	710
GI	none	Score	.68
Exons	16..710		

Seq. No.	28414	Seq. ID	OJ000250_83.0222.C23
Gene No.	58570	Strand	-
Start	1	End	713
Name	OJ000250_83.0222.C23.o1.tc	Method	TBLASTX:Cress
Start	36	End	353
GI	none	Score	180
Exons	36..353		

Seq. No.	28415	Seq. ID	OJ000250_83.0222.C24
Gene No.	58571	Strand	-
Start	17	End	178
Name	OJ000250_83.0222.C24.o1.gs	Method	GENSCAN
Start	17	End	178
GI	none	Score	.92
Exons	17..178		

Seq. No.	28416	Seq. ID	OJ000250_83.0222.C25
Gene No.	58572	Strand	+
Start	1	End	536
Name	OJ000250_83.0222.C25.o1.np	Method	AAT/NAP
Start	1	End	536
GI	4680179	Score	803
Exons	1..536		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28416	Seq. ID	OJ000250_83.0222.C25
Gene No.	58572	Strand	+
Start	1	End	536
Name	OJ000250_83.0222.C25.o1.tw	Method	TBLASTX:Wheat
Start	45	End	536
GI	none	Score	558
Exons	45..536, 47..442, 303..512		

Seq. No.	28416	Seq. ID	OJ000250_83.0222.C25
Gene No.	58572	Strand	+
Start	1	End	536
Name	OJ000250_83.0222.C25.o1.tm	Method	TBLASTX:Maize
Start	108	End	536
GI	none	Score	217
Exons	108..269, 114..260, 116..271, 381..512	116..262, 266..442, 267..536,	

Seq. No.	28416	Seq. ID	OJ000250_83.0222.C25
Gene No.	58572	Strand	+
Start	1	End	536
Name	OJ000250_83.0222.C25.o1.gs	Method	GENSCAN
Start	282	End	506
GI	none	Score	.78
Exons	282..506		

Seq. No.	28417	Seq. ID	OJ000250_83.0222.C26
Gene No.	58573	Strand	-
Start	13	End	607
Name	OJ000250_83.0222.C26.o1.gs	Method	GENSCAN
Start	13	End	516
GI	none	Score	.61
Exons	13..516		

Seq. No.	28417	Seq. ID	OJ000250_83.0222.C26
Gene No.	58573	Strand	-
Start	13	End	607
Name	OJ000250_83.0222.C26.o1.np	Method	AAT/NAP
Start	16	End	607
GI	4680179	Score	851
Exons	16..607		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28417	Seq. ID	OJ000250_83.0222.C26
Gene No.	58573	Strand	-
Start	13	End	607
Name	OJ000250_83.0222.C26.o1.tw	Method	TBLASTX:Wheat
Start	61	End	483
GI	none	Score	172
Exons	61..483, 113..448, 277..456		

Seq. No.	28417	Seq. ID	OJ000250_83.0222.C26
Gene No.	58573	Strand	-
Start	13	End	607
Name	OJ000250_83.0222.C26.o1.tm	Method	TBLASTX:Maize
Start	256	End	604
GI	none	Score	119
Exons	256..603, 257..454, 383..604,	509..604	

Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58574	Strand	+
Start	1	End	2774
Name	OJ000250_83.0222.C27.o1.np	Method	AAT/NAP
Start	1	End	2774
GI	5852175	Score	84

Exons	1..121, 746..842, 2731..2774		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58574	Strand	+
Start	1	End	2774
Name	OJ000250_83.0222.C27.o1.gp	Method	AAT/GAP
Start	168	End	233
GI	uC-osroM202024h08a1	Score	85
Exons	168..233		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58574	Strand	+
Start	1	End	2774
Name	OJ000250_83.0222.C27.o1.gs	Method	GENSCAN
Start	168	End	265
GI	none	Score	.85
Exons	168..265		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o3.np	Method	AAT/NAP
Start	1	End	2451
GI	4680203	Score	843
Exons	1..77, 1669..2451		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o2.np	Method	AAT/NAP
Start	993	End	2774
GI	5852180	Score	66
Exons	993..1080, 2704..2774		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o2.gp	Method	AAT/GAP
Start	1362	End	1587
GI	uC-osroM202024h08a1	Score	327
Exons	1362..1587		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o2.gs	Method	GENSCAN
Start	1618	End	2451
GI	none	Score	.61
Exons	1618..2451		

Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o1.ts	Method	TBLASTX:Soybean
Start	1687	End	1977
GI	none	Score	103
Exons	1687..1767, 1762..1977, 1763..1969		

Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o1.tw	Method	TBLASTX:Wheat
Start	1749	End	2100
GI	none	Score	186
Exons	1749..2000, 1765..2010, 1766..2002, 1993..2100		

Seq. No.	28418	Seq. ID	OJ000250_83.0222.C27
Gene No.	58575	Strand	-
Start	1	End	2774
Name	OJ000250_83.0222.C27.o3.gp	Method	AAT/GAP
Start	1996	End	2499
GI	2310235	Score	241
Exons	1996..2021, 2312..2499		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	28419	Seq. ID	OJ000250_83.0222.C32
Gene No.	58576	Strand	+
Start	1	End	217
Name	OJ000250_83.0222.C32.o1.np	Method	AAT/NAP
Start	1	End	217
GI	4680179	Score	351
Exons	1..217		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28419	Seq. ID	OJ000250_83.0222.C32
Gene No.	58576	Strand	+
Start	1	End	217
Name	OJ000250_83.0222.C32.o1.tm	Method	TBLASTX:Maize
Start	2	End	214
GI	none	Score	323
Exons	2..211, 2..214, 58..213		

Seq. No.	28419	Seq. ID	OJ000250_83.0222.C32
Gene No.	58576	Strand	+
Start	1	End	217
Name	OJ000250_83.0222.C32.o1.tw	Method	TBLASTX:Wheat
Start	2	End	217
GI	none	Score	318
Exons	2..217, 8..208		

Seq. No.	28420	Seq. ID	OJ000250_83.0222.C33
Gene No.	58577	Strand	-
Start	267	End	397
Name	OJ000250_83.0222.C33.o1.gs	Method	GENSCAN
Start	267	End	397
GI	none	Score	.94

Exons	267..397		
Seq. No.	28421	Seq. ID	OJ000250_83.0222.C36
Gene No.	58578	Strand	+
Start	1	End	160
Name	OJ000250_83.0222.C36.o1.np	Method	AAT/NAP
Start	1	End	160
GI	5042447	Score	120
Exons	1..160		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	28422	Seq. ID	OJ000250_83.0222.C39
Gene No.	58579	Strand	-
Start	231	End	285
Name	OJ000250_83.0222.C39.o1.gs	Method	GENSCAN
Start	231	End	285
GI	none	Score	.8
Exons	231..285		
Seq. No.	28423	Seq. ID	OJ000250_83.0222.C41
Gene No.	58580	Strand	+
Start	134	End	692
Name	OJ000250_83.0222.C41.o1.gp	Method	AAT/GAP
Start	134	End	683
GI	none	Score	692
Exons	134..383, 508..683		
Seq. No.	28423	Seq. ID	OJ000250_83.0222.C41
Gene No.	58580	Strand	+
Start	134	End	692
Name	OJ000250_83.0222.C41.o1.gs	Method	GENSCAN
Start	162	End	692
GI	none	Score	.68
Exons	162..383, 508..692		
Seq. No.	28424	Seq. ID	OJ000250_83.0222.C42
Gene No.	58581	Strand	-
Start	461	End	622
Name	OJ000250_83.0222.C42.o1.gs	Method	GENSCAN
Start	461	End	622
GI	none	Score	.86
Exons	461..622		
Seq. No.	28425	Seq. ID	OJ000250_83.0222.C44
Gene No.	58582	Strand	+
Start	1	End	613
Name	OJ000250_83.0222.C44.o1.np	Method	AAT/NAP
Start	1	End	613
GI	6721512	Score	91
Exons	1..179, 207..342, 385..421, 523..613		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	28426	Seq. ID	OJ000250_78.0211.C2
Gene No.	58583	Strand	+
Start	285	End	388
Name	OJ000250_78.0211.C2.o1.gs	Method	GENSCAN
Start	285	End	388

GI	none	Score	.93
Exons	285..388		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58584	Strand	-
Start	123	End	4110
Name	OJ000250_78.0211.C6.o1.np	Method	AAT/NAP
Start	123	End	4110
GI	3287682	Score	971
Exons	123..341, 710..917, 1349..1566, 1795..1920, 2024..2101, 2207..2978, 3683..3855, 3979..4110		
GI Descrip.	(AC003979) Strong similarity to gb|M97657 poly(A)-binding protein (PABP5) from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58584	Strand	-
Start	123	End	4110
Name	OJ000250_78.0211.C6.o1.gs	Method	GENSCAN
Start	704	End	4029
GI	none	Score	.93
Exons	704..922, 1831..1920, 2207..2982, 3687..4029		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	1834	End	3849
GI	none	Score	43
Exons	1834..1908, 1846..1920, 2021..2101, 2021..2101, 2021..2101, 2022..2102, 2025..2102, 2190..2252, 2204..2983, 2206..2283, 2339..2644, 2364..3005, 2636..2881, 2691..2864, 3688..3735, 3733..3849		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	1834	End	3849
GI	none	Score	44
Exons	1834..1908, 1846..1914, 2021..2101, 2034..2102, 2204..2983, 2257..2427, 2339..2644, 2358..2600, 2364..2987, 2619..2864, 2633..2878, 3688..3735, 3718..3849, 3733..3849		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	1834	End	3849
GI	none	Score	51
Exons	1834..1908, 1840..1911, 2034..2102, 2204..2983, 2205..2300, 2339..2644, 2358..2600, 2367..3005, 2636..2878, 2679..2864, 3688..3735, 3733..3849		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o1.tw	Method	TBLASTX:Wheat

Start	2021	End	2878
GI	none	Score	45
Exons	2021..2101, 2219..2611, 2226..2297, 2364..2615, 2528..2635, 2529..2609, 2633..2878, 2661..2864, 2801..2878		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.gs	Method	GENSCAN
Start	7373	End	11118
GI	none	Score	.74
Exons	7373..7707, 8025..8405, 8863..11118		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.np	Method	AAT/NAP
Start	7950	End	11167
GI	2982452	Score	1605
Exons	7950..8439, 8835..10150, 10376..11167		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o3.tc	Method	TBLASTX:Cress
Start	8056	End	8314
GI	none	Score	48
Exons	8056..8097, 8060..8098, 8188..8313, 8204..8314		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	8089	End	11152
GI	none	Score	50
Exons	8089..8190, 8108..8191, 8261..8407, 8269..8406, 8816..9088, 8841..8879, 8900..9073, 9077..9229, 9108..9200, 9242..9415, 9258..9416, 9617..9703, 9809..9841, 9812..9970, 9818..10300, 9878..10132, 9878..10228, 9881..10327, 9881..10018, 9881..10276, 9882..9980, 9884..10327, 9884..10162, 9887..10327, 9893..10306, 9893..10210, 9923..10042, 9938..10327, 9962..10327, 10154..10258, 10182..10631, 10211..10327, 10254..10421, 10326..10631, 10388..10930, 10388..10660, 10389..10637, 10391..10984, 10394..10804, 10427..10546, 10436..11071, 10469..10876, 10541..10948, 10643..10762, 10685..11152, 10716..10916, 10731..10991		

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.tc	Method	TBLASTX:Cress
Start	8101	End	11143
GI	none	Score	64
Exons	8101..8187, 8314..8406, 8315..8407, 8816..9073, 8841..8879, 8907..9053, 9077..9406, 9086..9223, 9285..9401, 9809..10003,		

9881..10276, 9881..9940, 9881..10327, 9881..10213, 9884..10159,
9884..9994, 9888..9920, 9893..10300, 9893..10327, 9893..10327,
9938..10156, 9965..10327, 9995..10231, 10038..10124,
10109..10516, 10130..10321, 10163..10327, 10182..10337,
10182..10265, 10182..10265, 10326..10502, 10380..10502,
10385..10987, 10388..10858, 10388..10588, 10394..10516,
10397..11137, 10397..10804, 10469..10876, 10541..10948,
10571..10786, 10601..11062, 10613..10987, 10634..10807,
10740..11057, 10757..11056, 11111..11143

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	8332	End	9407
GI	none	Score	145

Exons 8332..8406, 8816..9088, 8840..9088, 9089..9223, 9108..9200,
9257..9406, 9258..9407, 9282..9407

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	8838	End	9217
GI	none	Score	101

Exons 8838..9071, 8840..9073, 8899..9087, 8901..9053, 8909..9073,
9071..9217

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o3.tw	Method	TBLASTX:Wheat
Start	9675	End	10852
GI	none	Score	54

Exons 9675..9833, 9896..10096, 9968..10174, 10040..10246,
10178..10327, 10184..10327, 10385..10480, 10388..10462,
10406..10606, 10407..10604, 10544..10750, 10544..10696,
10616..10768, 10688..10852, 10731..10769

Seq. No.	28427	Seq. ID	OJ000250_78.0211.C6
Gene No.	58585	Strand	-
Start	7373	End	11167
Name	OJ000250_78.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	9676	End	11074
GI	none	Score	36

Exons 9676..9702, 9693..9833, 9809..9853, 9810..9836, 9815..9841,
9815..9841, 9848..9952, 9878..10147, 9881..10219, 9881..10012,
9882..9977, 9884..10327, 9893..10291, 9947..10219, 10034..10291,
10037..10285, 10037..10324, 10038..10127, 10046..10237,
10124..10318, 10163..10327, 10169..10327, 10245..10634,
10314..10637, 10317..10610, 10359..10637, 10385..10798,
10388..10651, 10469..10867, 10469..10945, 10523..10828,
10541..10990, 10613..11062, 10613..10867, 10628..10723,
10667..10939, 10691..10879, 10716..10913, 10742..10990,
10746..10985, 10821..10985, 10829..11074, 10896..11057,
10970..11074

Seq. No.	28428	Seq. ID	OJ000250_78.0211.C7
Gene No.	58586	Strand	+
Start	229	End	677
Name	OJ000250_78.0211.C7.o1.gs	Method	GENSCAN
Start	229	End	677
GI	none	Score	.62
Exons	229..308, 611..677		

Seq. No.	28428	Seq. ID	OJ000250_78.0211.C7
Gene No.	58587	Strand	-
Start	5935	End	6158
Name	OJ000250_78.0211.C7.o1.gp	Method	AAT/GAP
Start	5935	End	6158
GI	8022_1.R1084	Score	336
Exons	5935..6158		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58588	Strand	+
Start	5608	End	5657
Name	OJ000250_78.0211.C8.o1.gp	Method	AAT/GAP
Start	5608	End	5657
GI	77434_1.R1084	Score	85
Exons	5608..5657		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58589	Strand	+
Start	6804	End	6982
Name	OJ000250_78.0211.C8.o2.gs	Method	GENSCAN
Start	6804	End	6982
GI	none	Score	.59
Exons	6804..6834, 6861..6982		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58590	Strand	+
Start	13786	End	13988
Name	OJ000250_78.0211.C8.o4.gs	Method	GENSCAN
Start	13786	End	13988
GI	none	Score	.78
Exons	13786..13823, 13877..13988		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58591	Strand	+
Start	15022	End	16019
Name	OJ000250_78.0211.C8.o5.gs	Method	GENSCAN
Start	15022	End	16019
GI	none	Score	.62
Exons	15022..15051, 15317..15379, 15428..15530, 15635..15745, 15967..16019		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o7.gs	Method	GENSCAN

Start	19751	End	28758
GI	none	Score	.66
Exons	19751..19832, 20347..20476, 21105..21204, 23838..23968, 24631..24750, 24834..24933, 25053..25133, 25293..25342, 25464..25614, 26189..26245, 26909..26934, 27626..28178, 28273..28758		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o2.np	Method	AAT/NAP
Start	24075	End	26766
GI	4538905	Score	992
Exons	24075..24151, 24631..24750, 24834..24933, 25053..25133, 25293..25342, 25464..25614, 26189..26245, 26333..26454, 26559..26766		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o2.gp	Method	AAT/GAP
Start	24088	End	24155
GI	2309827	Score	90
Exons	24088..24155		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o4.gp	Method	AAT/GAP
Start	24626	End	25094
GI	2309827	Score	403
Exons	24626..24750, 24834..24936, 25053..25094		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o3.gp	Method	AAT/GAP
Start	24631	End	25011
GI	2309827	Score	353
Exons	24631..24750, 24834..24933, 24991..25011		
GI Descrip.	4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58592	Strand	+
Start	19751	End	28758
Name	OJ000250_78.0211.C8.o3.np	Method	AAT/NAP
Start	27738	End	28752
GI	5734739	Score	995
Exons	27738..27800, 27828..28178, 28273..28752		
GI Descrip.	(AC007259) Similar to syntaxin [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58593	Strand	-
Start	418	End	4442
Name	OJ000250_78.0211.C8.o1.gs	Method	GENSCAN
Start	418	End	4442
GI	none	Score	.63
Exons	418..811, 961..1025, 1077..1220, 1452..1686, 2939..3054, 3117..3360, 4230..4320, 4397..4442		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58594	Strand	-
Start	8291	End	20309
Name	OJ000250_78.0211.C8.o1.np	Method	AAT/NAP
Start	8255	End	20309
GI	6466937	Score	2190
Exons	8255..12397, 20271..20309		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58594	Strand	-
Start	8291	End	20309
Name	OJ000250_78.0211.C8.o3.gs	Method	GENSCAN
Start	8291	End	12856
GI	none	Score	.91
Exons	8291..9949, 10043..11812, 11828..12856		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58594	Strand	-
Start	8291	End	20309
Name	OJ000250_78.0211.C8.o6.gs	Method	GENSCAN
Start	16826	End	18091
GI	none	Score	.69
Exons	16826..17377, 17460..17721, 18021..18091		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o8.tm	Method	TBLASTX:Maize
Start	8321	End	8672
GI	none	Score	190
Exons	8321..8671, 8322..8672		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o3.tw	Method	TBLASTX:Wheat
Start	8765	End	9346
GI	none	Score	75
Exons	8765..9055, 9015..9338, 9098..9346		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o4.tm	Method	TBLASTX:Maize
Start	8966	End	9526
GI	none	Score	163

Exons	8966..9526, 8967..9461		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o5.ts	Method	TBLASTX:Soybean
Start	9194	End	9536
GI	none	Score	131
Exons	9194..9517, 9195..9536		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o10.tm	Method	TBLASTX:Maize
Start	9668	End	9961
GI	none	Score	82
Exons	9668..9802, 9836..9961, 9855..9950		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	10064	End	10480
GI	none	Score	41
Exons	10064..10480, 10094..10171, 10104..10340, 10259..10351		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o4.tw	Method	TBLASTX:Wheat
Start	10163	End	10561
GI	none	Score	233
Exons	10163..10297, 10283..10561		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	10283	End	10633
GI	none	Score	311
Exons	10283..10633		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	10556	End	11041
GI	none	Score	184
Exons	10556..11041, 10560..10961		
Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	10610	End	11092
GI	none	Score	117
Exons	10610..11092, 10643..10933, 10653..10988		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o8.ts	Method	TBLASTX:Soybean
Start	10853	End	11053
GI	none	Score	220
Exons	10853..11053		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o11.tm	Method	TBLASTX:Maize
Start	12173	End	12401
GI	none	Score	128
Exons	12173..12400, 12174..12401		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o7.tm	Method	TBLASTX:Maize
Start	20745	End	25602
GI	none	Score	68
Exons	20745..20804, 20752..20805, 23939..23974, 24085..24147, 24087..24152, 24087..24155, 24480..24542, 24626..24763, 24631..24747, 24826..24957, 24828..24947, 25032..25145, 25032..25136, 25052..25228, 25288..25344, 25289..25345, 25292..25348, 25458..25601, 25464..25601, 25465..25602		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o4.tc	Method	TBLASTX:Cress
Start	20752	End	25121
GI	none	Score	64
Exons	20752..20805, 24087..24152, 24626..24763, 24643..24750, 24826..24957, 24828..24962, 25032..25121		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o7.ts	Method	TBLASTX:Soybean
Start	20752	End	24900
GI	none	Score	67
Exons	20752..20805, 24087..24152, 24626..24763, 24640..24750, 24834..24887, 24835..24900		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o2.tc	Method	TBLASTX:Cress
Start	25308	End	26763
GI	none	Score	52
Exons	25308..25343, 25464..25610, 25468..25614, 26183..26248, 26327..26452, 26332..26439, 26546..26692, 26559..26750, 26563..26760, 26590..26763		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	26183	End	26661
GI	none	Score	88
Exons	26183..26248, 26299..26448, 26327..26452, 26559..26660, 26560..26661		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	27738	End	28674
GI	none	Score	39
Exons	27738..27761, 27809..28000, 27822..28175, 28082..28174, 28255..28668, 28275..28667, 28501..28674		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	27791	End	28577
GI	none	Score	390
Exons	27791..27859, 27801..28175, 27926..28174, 28258..28575, 28296..28577		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o9.tm	Method	TBLASTX:Maize
Start	27797	End	28094
GI	none	Score	236
Exons	27797..28093, 27825..28094		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o6.tm	Method	TBLASTX:Maize
Start	28146	End	28668
GI	none	Score	46
Exons	28146..28178, 28258..28668, 28278..28598		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	28276	End	28653
GI	none	Score	358
Exons	28276..28653, 28287..28649		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o4.np	Method	AAT/NAP
Start	29926	End	31437
GI	4191774	Score	1337

Exons	29926..31032, 31118..31437		
GI Descrip.	(AC005917) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o8.gs	Method	GENSCAN
Start	29931	End	31473
GI	none	Score	.6
Exons	29931..31029, 31121..31473		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o5.tc	Method	TBLASTX:Cress
Start	29998	End	30239
GI	none	Score	73
Exons	29998..30198, 30006..30239		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	30012	End	30839
GI	none	Score	96
Exons	30012..30236, 30058..30216, 30258..30296, 30264..30311, 30336..30566, 30336..30836, 30559..30837, 30705..30839		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o6.ts	Method	TBLASTX:Soybean
Start	30012	End	30251
GI	none	Score	136
Exons	30012..30251, 30031..30237		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	30333	End	31332
GI	none	Score	66
Exons	30333..30392, 30414..30461, 30501..30668, 30562..30651, 30744..30854, 30885..30983, 31008..31031, 31120..31332		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o3.tc	Method	TBLASTX:Cress
Start	30615	End	31031
GI	none	Score	82
Exons	30615..30755, 30625..30756, 30753..30854, 30756..30839, 30834..31031, 30838..31029		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473

Name	OJ000250_78.0211.C8.o5.tm	Method	TBLASTX:Maize
Start	30960	End	31395
GI	none	Score	111
Exons	30960..31031, 30961..31029, 30973..31032, 31108..31188, 31118..31204, 31120..31191, 31186..31395, 31186..31365		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o5.gp	Method	AAT/GAP
Start	31112	End	31336
GI	2427917	Score	409
Exons	31112..31336		
GI Descrip.	5042412/gb|AAD38251.1|AC006193_7 2.0e-11 (AC006193) Similar to glucan endo-1,3-beta-glucosidase precursor [Arabidopsis thaliana]		

Seq. No.	28429	Seq. ID	OJ000250_78.0211.C8
Gene No.	58595	Strand	-
Start	29931	End	31473
Name	OJ000250_78.0211.C8.o6.tc	Method	TBLASTX:Cress
Start	31186	End	31366
GI	none	Score	112
Exons	31186..31365, 31271..31366		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.gs	Method	GENSCAN
Start	1864	End	3321
GI	none	Score	.98
Exons	1864..3321		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.np	Method	AAT/NAP
Start	1912	End	3337
GI	3757518	Score	505
Exons	1912..3337		
GI Descrip.	(AC005167) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	2542	End	2808
GI	none	Score	213
Exons	2542..2706, 2544..2675, 2707..2808, 2715..2783, 2722..2808		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	2557	End	3072
GI	none	Score	42
Exons	2557..2634, 2671..2751, 2757..2900, 2758..2871, 2889..3071,		

2911..3072

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	2632	End	3075
GI	none	Score	46
Exons	2632..2691, 2743..2868, 2751..2864, 2896..3075, 2898..3074		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	2755	End	3072
GI	none	Score	104
Exons	2755..2871, 2908..3072, 2910..3071		

Seq. No.	28430	Seq. ID	OJ000250_78.0211.C10
Gene No.	58596	Strand	+
Start	1864	End	3337
Name	OJ000250_78.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	2809	End	3082
GI	none	Score	95
Exons	2809..2889, 2811..2891, 2908..3075, 2910..3074, 2951..3082		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o3.tm	Method	TBLASTX:Maize
Start	2585	End	2866
GI	none	Score	61
Exons	2585..2683, 2672..2866, 2756..2815		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o1.tw	Method	TBLASTX:Wheat
Start	2945	End	3310
GI	none	Score	122
Exons	2945..3310, 2952..3176		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	3038	End	3487
GI	none	Score	54
Exons	3038..3115, 3042..3119, 3137..3487, 3141..3479		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o2.gs	Method	GENSCAN
Start	4286	End	6757
GI	none	Score	.82
Exons	4286..4424, 5069..5272, 5916..6757		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o3.tw	Method	TBLASTX:Wheat
Start	4641	End	6445
GI	none	Score	121
Exons	4641..4703, 4701..4748, 6145..6303, 6156..6344, 6158..6346, 6363..6443, 6365..6445		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o2.tm	Method	TBLASTX:Maize
Start	5695	End	6541
GI	none	Score	74
Exons	5695..5778, 6185..6304, 6185..6349, 6195..6350, 6321..6371, 6383..6496, 6518..6541		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o1.np	Method	AAT/NAP
Start	5942	End	6783
GI	136746	Score	282
Exons	5942..6692, 6746..6783		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE) (BRONZE-1) gi|66580|pir||XUBHFG flavonol 3-O-glucosyltransferase (EC 2.4.1.91) - barley gi|295807|emb|CAA33729| (X15694) UDPglucose flavonol 3,0 glucosyl transferase [Hordeum vulgare]		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	6095	End	6628
GI	none	Score	64
Exons	6095..6289, 6161..6358, 6162..6356, 6386..6502, 6596..6628		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	6182	End	6499
GI	none	Score	132
Exons	6182..6346, 6183..6344, 6383..6499		

Seq. No.	28431	Seq. ID	OJ000250_78.0211.C11
Gene No.	58597	Strand	-
Start	4286	End	6783
Name	OJ000250_78.0211.C11.o2.tw	Method	TBLASTX:Wheat
Start	6446	End	6713
GI	none	Score	109
Exons	6446..6532, 6446..6547, 6548..6712, 6590..6673, 6652..6702, 6675..6713		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58598	Strand	+
Start	5750	End	5881
Name	OJ000250_78.0211.C12.o1.gp	Method	AAT/GAP
Start	5750	End	5881
GI	uC-osflcyp013a06b1	Score	172
Exons	5750..5881		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795
Name	OJ000250_78.0211.C12.o1.np	Method	AAT/NAP
Start	1	End	445
GI	2232354	Score	160
Exons	1..445		
GI Descrip.	(AF006081) UDPG glucosyltransferase [Solanum berthaultii]		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795
Name	OJ000250_78.0211.C12.o1.gs	Method	GENSCAN
Start	26	End	7232
GI	none	Score	.5
Exons	26..480, 915..1077, 1093..1401, 2774..2962, 3041..3180, 3294..3362, 3607..3760, 3838..3936, 4012..4209, 4288..4401, 4486..4623, 4723..5319, 6638..6737, 7036..7232		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795
Name	OJ000250_78.0211.C12.o1.tm	Method	TBLASTX:Maize
Start	6961	End	7140
GI	none	Score	173
Exons	6961..7134, 6964..7140, 7008..7139		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795
Name	OJ000250_78.0211.C12.o2.np	Method	AAT/NAP
Start	7005	End	7795
GI	3152582	Score	240
Exons	7005..7242, 7752..7795		
GI Descrip.	(AC002986) YUP8H12R.20 [Arabidopsis thaliana]		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795
Name	OJ000250_78.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	7059	End	7242
GI	none	Score	112
Exons	7059..7229, 7059..7232, 7066..7242		

Seq. No.	28432	Seq. ID	OJ000250_78.0211.C12
Gene No.	58599	Strand	-
Start	1	End	7795

Name	OJ000250_78.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	7074	End	7241
GI	none	Score	125
Exons	7074..7241, 7075..7224		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o1.gs	Method	GENSCAN
Start	220	End	5515
GI	none	Score	.62
Exons	220..544, 738..872, 1045..1275, 1711..1870, 2097..2268, 3789..3968, 5447..5515		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1640
GI	none	Score	67
Exons	1224..1538, 1254..1640		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o1.ts	Method	TBLASTX:Soybean
Start	1257	End	1581
GI	none	Score	89
Exons	1257..1580, 1279..1581		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o1.tc	Method	TBLASTX:Cress
Start	1302	End	1673
GI	none	Score	183
Exons	1302..1673		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o2.np	Method	AAT/NAP
Start	2017	End	2262
GI	1084404	Score	116
Exons	2017..2262		
GI Descrip.	hypothetical protein - tomato gi|667069 (L22186) ORF [Lycopersicon esculentum]		

Seq. No.	28433	Seq. ID	OJ000250_78.0211.C13
Gene No.	58600	Strand	-
Start	220	End	5515
Name	OJ000250_78.0211.C13.o1.gp	Method	AAT/GAP
Start	2660	End	2957
GI	12420_1.R1084	Score	491
Exons	2660..2957		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58601	Strand	+
Start	285	End	434
Name	OJ000250_78.0211.C15.o1.gs	Method	GENSCAN
Start	285	End	434
GI	none	Score	.98
Exons	285..434		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58602	Strand	-
Start	1603	End	2075
Name	OJ000250_78.0211.C15.o2.gs	Method	GENSCAN
Start	1603	End	2075
GI	none	Score	1
Exons	1603..1838, 1970..2075		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58603	Strand	-
Start	6731	End	10746
Name	OJ000250_78.0211.C15.o4.gs	Method	GENSCAN
Start	6731	End	9085
GI	none	Score	.44
Exons	6731..6981, 7420..7574, 7994..8323, 8383..8477, 8964..9085		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58603	Strand	-
Start	6731	End	10746
Name	OJ000250_78.0211.C15.o1.gp	Method	AAT/GAP
Start	6887	End	7568
GI	701783	Score	471
Exons	6887..7005, 7420..7568		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58603	Strand	-
Start	6731	End	10746
Name	OJ000250_78.0211.C15.o1.np	Method	AAT/NAP
Start	8919	End	10746
GI	1717828	Score	58
Exons	8919..9157, 10684..10746		
GI Descrip.	TYROSINE/DOPA DECARBOXYLASE 5 [INCLUDES: DOPA DECARBOXYLASE (DDC); TYROSINE DECARBOXYLASE] gi|1049006 (U16804) tyrosine decarboxylase [Papaver somniferum]		

Seq. No.	28434	Seq. ID	OJ000250_78.0211.C15
Gene No.	58603	Strand	-
Start	6731	End	10746
Name	OJ000250_78.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	8961	End	9095
GI	none	Score	175
Exons	8961..9095, 8962..9093		

Seq. No.	28435	Seq. ID	OJ000250_78.0211.C19
Gene No.	58604	Strand	+
Start	15	End	615
Name	OJ000250_78.0211.C19.o1.gs	Method	GENSCAN
Start	15	End	615

GI	none	Score	.57
Exons	15..615		

Seq. No.	28435	Seq. ID	OJ000250_78.0211.C19
Gene No.	58604	Strand	+
Start	15	End	615
Name	OJ000250_78.0211.C19.o1.tm	Method	TBLASTX:Maize
Start	368	End	596
GI	none	Score	197
Exons	368..595, 369..596		

Seq. No.	28436	Seq. ID	OJ000250_75.0211.C3
Gene No.	58605	Strand	+
Start	1	End	714
Name	OJ000250_75.0211.C3.o1.np	Method	AAT/NAP
Start	1	End	714
GI	4680179	Score	594
Exons	1..714		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28436	Seq. ID	OJ000250_75.0211.C3
Gene No.	58605	Strand	+
Start	1	End	714
Name	OJ000250_75.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	199	End	554
GI	none	Score	127
Exons	199..411, 399..554, 449..523		

Seq. No.	28436	Seq. ID	OJ000250_75.0211.C3
Gene No.	58605	Strand	+
Start	1	End	714
Name	OJ000250_75.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	516	End	713
GI	none	Score	212
Exons	516..713, 566..700		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58606	Strand	+
Start	20	End	4487
Name	OJ000250_75.0211.C6.o1.gs	Method	GENSCAN
Start	20	End	1909
GI	none	Score	.48
Exons	20..772, 1541..1909		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58606	Strand	+
Start	20	End	4487
Name	OJ000250_75.0211.C6.o1.np	Method	AAT/NAP
Start	1595	End	4091
GI	6324720	Score	553
Exons	1595..1759, 2512..2745, 3672..4091		
GI Descrip.	Yor145cp gi|2132068|pir||S67033 hypothetical protein YOR145c - yeast (Saccharomyces cerevisiae) gi|1293706 (U55020) O3513p [Saccharomyces cerevisiae] gi|1420368|emb|CAA99349| (Z75053) ORF YOR145c [Saccharomyces cerevisiae]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6

Gene No.	58606	Strand	+
Start	20	End	4487
Name	OJ000250_75.0211.C6.o2.gs	Method	GENSCAN
Start	2506	End	4487
GI	none	Score	.84
Exons	2506..2745, 3672..3852, 3889..3992, 4467..4487		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58607	Strand	+
Start	5353	End	7365
Name	OJ000250_75.0211.C6.o3.gs	Method	GENSCAN
Start	5353	End	7365
GI	none	Score	.98
Exons	5353..7365		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58607	Strand	+
Start	5353	End	7365
Name	OJ000250_75.0211.C6.o2.np	Method	AAT/NAP
Start	5368	End	7362
GI	6358767	Score	1395
Exons	5368..5488, 5609..7362		
GI Descrip.	(AC011665) unknown protein [Arabidopsis thaliana]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58608	Strand	+
Start	11616	End	14522
Name	OJ000250_75.0211.C6.o3.np	Method	AAT/NAP
Start	11616	End	14522
GI	2367390	Score	163
Exons	11616..11747, 12072..12309, 14496..14522		
GI Descrip.	(U82512) random slug cDNA21 protein [Dictyostelium discoideum]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58609	Strand	+
Start	22651	End	26438
Name	OJ000250_75.0211.C6.o7.gs	Method	GENSCAN
Start	22651	End	26438
GI	none	Score	.44
Exons	22651..22665, 22767..22944, 23157..25883, 26066..26148, 26376..26438		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58609	Strand	+
Start	22651	End	26438
Name	OJ000250_75.0211.C6.o5.np	Method	AAT/NAP
Start	23252	End	25984
GI	3309619	Score	908
Exons	23252..25423, 25529..25668, 25702..25984		
GI Descrip.	(AF074916) NBS/LRR disease resistance protein [Arabidopsis thaliana]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58610	Strand	+
Start	32926	End	33233
Name	OJ000250_75.0211.C6.o8.gp	Method	AAT/GAP
Start	32926	End	33233

GI	none	Score	579
Exons	32926..33233		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58611	Strand	-
Start	2474	End	2768
Name	OJ000250_75.0211.C6.o1.gp	Method	AAT/GAP
Start	2474	End	2768
GI	3338_1.R1084	Score	471
Exons	2474..2768		
GI Descrip.	'2132068/pir||S67033 1.0e-50 hypothetical protein YOR145c - yeast (Saccharomyces cerevisiae) >gi_1293706 (U55020) O3513p [Saccharomyces cerevisiae] >gi_1420368_emb_CAA99349_ (Z75053) ORF YOR145c [Saccharomyces cerevisiae]'		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58612	Strand	-
Start	8229	End	14705
Name	OJ000250_75.0211.C6.o2.gp	Method	AAT/GAP
Start	8229	End	9215
GI	none	Score	1475
Exons	8229..8550, 8658..9093, 9188..9215		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58612	Strand	-
Start	8229	End	14705
Name	OJ000250_75.0211.C6.o4.gs	Method	GENSCAN
Start	8677	End	14705
GI	none	Score	.79
Exons	8677..9093, 9188..9283, 9374..9639, 9798..9960, 10063..10172, 10225..10273, 10384..10485, 10610..10945, 11517..11634, 12358..12515, 14616..14705		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58612	Strand	-
Start	8229	End	14705
Name	OJ000250_75.0211.C6.o3.gp	Method	AAT/GAP
Start	12105	End	12178
GI	LIB3431-004-P1-K1-G12	Score	81
Exons	12105..12178		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58613	Strand	-
Start	15265	End	18122
Name	OJ000250_75.0211.C6.o4.np	Method	AAT/NAP
Start	15265	End	18051
GI	4469003	Score	210
Exons	15265..15287, 16754..17124, 17847..18051		
GI Descrip.	(AL035602) putative protein [Arabidopsis thaliana]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58613	Strand	-
Start	15265	End	18122
Name	OJ000250_75.0211.C6.o5.gs	Method	GENSCAN
Start	16703	End	18051

GI	none	Score	1
Exons	16703..17124, 17847..18051		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58613	Strand	-
Start	15265	End	18122
Name	OJ000250_75.0211.C6.o4.gp	Method	AAT/GAP
Start	16935	End	18122
GI	2442979	Score	778
Exons	16935..17124, 17847..18122		
GI Descrip.	4584523/emb|CAB40754.1| 1.0e-10 (AL049607) putative protein [Arabidopsis thaliana]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58614	Strand	-
Start	19003	End	20542
Name	OJ000250_75.0211.C6.o6.gs	Method	GENSCAN
Start	19003	End	20542
GI	none	Score	.61
Exons	19003..19149, 19869..20159, 20468..20542		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58615	Strand	-
Start	25812	End	26290
Name	OJ000250_75.0211.C6.o5.gp	Method	AAT/GAP
Start	25812	End	26290
GI	none	Score	930
Exons	25812..26290		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58616	Strand	-
Start	26777	End	33609
Name	OJ000250_75.0211.C6.o7.np	Method	AAT/NAP
Start	26774	End	33228
GI	2507165	Score	1311
Exons	26774..27471, 32283..33228		
GI Descrip.	PECTINESTERASE 2 PRECURSOR (PECTIN METHYLESTERASE 2) (PE 2) gi|1076587|pir||S46528 pectinesterase (EC 3.1.1.11) precursor (clone B16) - tomato gi|398718|emb|CAA52704| (X74639) pectin esterase [Lycopersicon esculentum]		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58616	Strand	-
Start	26777	End	33609
Name	OJ000250_75.0211.C6.o8.gs	Method	GENSCAN
Start	26777	End	27520
GI	none	Score	.99
Exons	26777..27520		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58616	Strand	-
Start	26777	End	33609
Name	OJ000250_75.0211.C6.o9.gs	Method	GENSCAN
Start	29562	End	33609
GI	none	Score	.53
Exons	29562..29582, 30029..30093, 32283..33184, 33515..33609		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58616	Strand	-
Start	26777	End	33609
Name	OJ000250_75.0211.C6.o7.gp	Method	AAT/GAP
Start	31346	End	31405
GI	2312838	Score	67
Exons	31346..31405		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58617	Strand	-
Start	34106	End	36114
Name	OJ000250_75.0211.C6.o10.gs	Method	GENSCAN
Start	34106	End	36114
GI	none	Score	.63
Exons	34106..34515, 34700..34786, 35250..35328, 36103..36114		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	1294	End	1836
GI	none	Score	205
Exons	1294..1443, 1294..1446, 1559..1732, 1561..1722, 1756..1836		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	2571	End	4106
GI	none	Score	291
Exons	2571..2762, 2572..2766, 3669..4106, 3671..4105, 3678..4106		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	2577	End	4063
GI	none	Score	233
Exons	2577..2762, 2578..2766, 3668..4063, 3669..4061		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o5.tc	Method	TBLASTX:Cress
Start	8725	End	11642
GI	none	Score	52
Exons	8725..8865, 8893..8937, 8977..9090, 9832..9891, 9892..9963, 10060..10134, 10141..10263, 11233..11421, 11324..11440, 11517..11642, 11518..11634		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o4.tc	Method	TBLASTX:Cress
Start	16916	End	17895

GI	none	Score	89
Exons	16916..17122, 16920..17069, 17848..17895		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o4.ts	Method	TBLASTX:Soybean
Start	16919	End	17895
GI	none	Score	64
Exons	16919..17122, 17848..17895		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	23384	End	25981
GI	none	Score	49
Exons	23384..23536, 23573..23737, 23765..24025, 23945..24391, 23981..24208, 24262..24372, 24413..24544, 24457..24537, 24580..25047, 24581..25072, 25202..25363, 25817..25870, 25886..25981		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o5.tm	Method	TBLASTX:Maize
Start	23861	End	24126
GI	none	Score	398
Exons	23861..24124, 23863..24126		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	24340	End	24706
GI	none	Score	491
Exons	24340..24621, 24341..24643, 24341..24640, 24667..24705, 24668..24706, 24668..24706		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o4.tm	Method	TBLASTX:Maize
Start	24706	End	24950
GI	none	Score	411
Exons	24706..24942, 24707..24949, 24720..24950		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o7.tm	Method	TBLASTX:Maize
Start	25859	End	26013
GI	none	Score	206
Exons	25859..25999, 25859..25999, 25882..26013, 25899..26000		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-

Start	37686	End	38181
Name	OJ000250_75.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	26784	End	32595
GI	none	Score	80
Exons	26784..26876, 26876..26974, 26877..26975, 26978..27463, 26984..27280, 27135..27356, 32276..32503, 32287..32505, 32497..32541, 32557..32595		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	26792	End	32505
GI	none	Score	81
Exons	26792..26971, 26805..26969, 26961..27074, 26978..27472, 27138..27350, 32285..32503, 32287..32505		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o2.tc	Method	TBLASTX:Cress
Start	26804	End	32505
GI	none	Score	93
Exons	26804..26974, 26817..26972, 26978..27214, 26981..27073, 27135..27185, 27209..27472, 27210..27350, 27402..27521, 32285..32365, 32287..32385, 32356..32454, 32449..32505, 32450..32503		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	27026	End	27431
GI	none	Score	262
Exons	27026..27427, 27030..27431		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o3.tw	Method	TBLASTX:Wheat
Start	37662	End	38173
GI	none	Score	65
Exons	37662..37763, 37683..37763, 37684..37773, 37684..37773, 37883..37906, 37900..37953, 37907..37954, 37936..38166, 37969..38172, 37970..38173		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o6.tm	Method	TBLASTX:Maize
Start	37662	End	38173
GI	none	Score	49
Exons	37662..37730, 37882..37953, 37889..37954, 37930..38157, 37966..38172, 37970..38173		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-

Start	37686	End	38181
Name	OJ000250_75.0211.C6.o3.tc	Method	TBLASTX:Cress
Start	37674	End	38173
GI	none	Score	76
Exons	37674..37763, 37689..37778, 37879..37950, 37883..37951, 37930..38157, 37966..38172, 37970..38173		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o3.ts	Method	TBLASTX:Soybean
Start	37680	End	38173
GI	none	Score	52
Exons	37680..37763, 37700..37762, 37879..37950, 37883..37951, 37883..37951, 37966..38172, 37969..38154, 37970..38173		

Seq. No.	28437	Seq. ID	OJ000250_75.0211.C6
Gene No.	58618	Strand	-
Start	37686	End	38181
Name	OJ000250_75.0211.C6.o8.np	Method	AAT/NAP
Start	37686	End	38181
GI	3935167	Score	344
Exons	37686..37757, 37882..38181		
GI Descrip.	(AC004557) F17L21.10 [Arabidopsis thaliana]		

Seq. No.	28438	Seq. ID	OJ000250_75.0211.C7
Gene No.	58619	Strand	-
Start	628	End	1841
Name	OJ000250_75.0211.C7.o1.gs	Method	GENSCAN
Start	628	End	1841
GI	none	Score	.71
Exons	628..1036, 1094..1116, 1232..1270, 1293..1487, 1580..1841		

Seq. No.	28438	Seq. ID	OJ000250_75.0211.C7
Gene No.	58619	Strand	-
Start	628	End	1841
Name	OJ000250_75.0211.C7.o1.np	Method	AAT/NAP
Start	640	End	1841
GI	5441880	Score	305
Exons	640..849, 1263..1507, 1580..1841		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28438	Seq. ID	OJ000250_75.0211.C7
Gene No.	58619	Strand	-
Start	628	End	1841
Name	OJ000250_75.0211.C7.o1.gp	Method	AAT/GAP
Start	909	End	1348
GI	LIB3433-020-P1-K1-A6	Score	645
Exons	909..1348		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58620	Strand	+
Start	5500	End	9427

Name	OJ000250_75.0211.C8.o2.gs	Method	GENSCAN
Start	5500	End	9427
GI	none	Score	.84
Exons	5500..5521, 5717..5843, 6155..6271, 6549..6910, 7211..7750, 7836..7861, 7935..8013, 8074..8270, 8427..8486, 8554..8667, 8744..8899, 8999..9427		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58621	Strand	-
Start	1	End	3850
Name	OJ000250_75.0211.C8.o1.np	Method	AAT/NAP
Start	1	End	2072
GI	5441880	Score	717
Exons	1..200, 780..1113, 1222..1361, 2047..2072		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58621	Strand	-
Start	1	End	3850
Name	OJ000250_75.0211.C8.o1.gs	Method	GENSCAN
Start	83	End	3850
GI	none	Score	.6
Exons	83..200, 281..399, 472..625, 780..1146, 1222..1295, 1777..2154, 2751..2824, 3425..3444, 3801..3850		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o4.tw	Method	TBLASTX:Wheat
Start	873	End	6852
GI	none	Score	107
Exons	873..992, 874..993, 991..1041, 1002..1055, 6772..6852		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o3.ts	Method	TBLASTX:Soybean
Start	9752	End	10002
GI	none	Score	46
Exons	9752..9790, 9757..10002, 9863..10000		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o2.np	Method	AAT/NAP
Start	9763	End	16045
GI	4544372	Score	1219
Exons	9763..11323, 11443..11840, 11901..12973, 13275..13397, 16025..16045		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646

Name	OJ000250_75.0211.C8.o3.tw	Method	TBLASTX:Wheat
Start	9778	End	10185
GI	none	Score	85
Exons	9778..10185, 9812..9985		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o3.gs	Method	GENSCAN
Start	9880	End	16646
GI	none	Score	.51
Exons	9880..11112, 11221..11362, 11714..11844, 12096..13059, 13175..13670, 14016..15415, 15599..15844, 16190..16646		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o2.ts	Method	TBLASTX:Soybean
Start	10345	End	10746
GI	none	Score	87
Exons	10345..10746, 10523..10639		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o3.tm	Method	TBLASTX:Maize
Start	10366	End	10731
GI	none	Score	79
Exons	10366..10590, 10588..10731		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o2.tw	Method	TBLASTX:Wheat
Start	11143	End	11562
GI	none	Score	79
Exons	11143..11433, 11473..11562		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	11195	End	11607
GI	none	Score	121
Exons	11195..11449, 11197..11448, 11438..11605, 11470..11607		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o5.tw	Method	TBLASTX:Wheat
Start	11845	End	12242
GI	none	Score	74
Exons	11845..11946, 11941..12216, 12015..12242, 12046..12225		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646

Name	OJ000250_75.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	11917	End	12374
GI	none	Score	80
Exons	11917..12054, 11918..12055, 12027..12374, 12055..12225, 12093..12374		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o5.ts	Method	TBLASTX:Soybean
Start	12069	End	12299
GI	none	Score	88
Exons	12069..12299, 12070..12207		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o1.tw	Method	TBLASTX:Wheat
Start	12244	End	12647
GI	none	Score	292
Exons	12244..12459, 12264..12596, 12286..12588, 12591..12647, 12601..12633		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o2.tm	Method	TBLASTX:Maize
Start	12375	End	12593
GI	none	Score	212
Exons	12375..12593, 12376..12588		

Seq. No.	28439	Seq. ID	OJ000250_75.0211.C8
Gene No.	58622	Strand	-
Start	9763	End	16646
Name	OJ000250_75.0211.C8.o4.ts	Method	TBLASTX:Soybean
Start	13219	End	13557
GI	none	Score	195
Exons	13219..13557		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58623	Strand	+
Start	1754	End	6168
Name	OJ000250_75.0211.C9.o1.np	Method	AAT/NAP
Start	1754	End	5925
GI	6907089	Score	286
Exons	1754..2474, 5847..5925		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58623	Strand	+
Start	1754	End	6168
Name	OJ000250_75.0211.C9.o1.gp	Method	AAT/GAP
Start	5737	End	6168
GI	2428185	Score	765
Exons	5737..6168		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58624	Strand	+
Start	8961	End	10804
Name	OJ000250_75.0211.C9.o3.np	Method	AAT/NAP
Start	8961	End	10804
GI	6721512	Score	96
Exons	8961..8995, 10565..10804		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58625	Strand	+
Start	22549	End	23531
Name	OJ000250_75.0211.C9.o5.gs	Method	GENSCAN
Start	22549	End	23531
GI	none	Score	.55
Exons	22549..22756, 22984..23531		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58626	Strand	-
Start	3312	End	12048
Name	OJ000250_75.0211.C9.o2.gs	Method	GENSCAN
Start	3312	End	10620
GI	none	Score	.66
Exons	3312..3473, 3500..4029, 4689..4896, 5071..5246, 6059..6183, 6881..7080, 7185..7454, 7581..7722, 7758..8608, 8674..9597, 9673..10080, 10183..10620		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58626	Strand	-
Start	3312	End	12048
Name	OJ000250_75.0211.C9.o2.np	Method	AAT/NAP
Start	3458	End	12048
GI	5922631	Score	1307
Exons	3458..3949, 7412..8305, 8426..8599, 8642..9067, 10211..10333, 11991..12048		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58626	Strand	-
Start	3312	End	12048
Name	OJ000250_75.0211.C9.o2.gp	Method	AAT/GAP
Start	6696	End	6960
GI	61605_3.R1084	Score	471
Exons	6696..6960		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58627	Strand	-
Start	12435	End	18153

Name	OJ000250_75.0211.C9.o4.np	Method	AAT/NAP
Start	12435	End	18057
GI	6651393	Score	524
Exons	12435..12707, 17255..17389, 17677..18057		
GI Descrip.	(AF178576) polyneuridine aldehyde esterase [Rauvolfia serpentina]		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58627	Strand	-
Start	12435	End	18153
Name	OJ000250_75.0211.C9.o4.gs	Method	GENSCAN
Start	15485	End	18153
GI	none	Score	.76
Exons	15485..15556, 17255..17389, 17677..18153		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58627	Strand	-
Start	12435	End	18153
Name	OJ000250_75.0211.C9.o3.gp	Method	AAT/GAP
Start	17933	End	18115
GI	2312847	Score	230
Exons	17933..18115		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58628	Strand	-
Start	24336	End	25955
Name	OJ000250_75.0211.C9.o6.gs	Method	GENSCAN
Start	24336	End	25955
GI	none	Score	.65
Exons	24336..24390, 25936..25955		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	3455	End	3913
GI	none	Score	81
Exons	3455..3913, 3729..3863		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	3543	End	3967
GI	none	Score	250
Exons	3543..3866, 3545..3967		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	3641	End	4024
GI	none	Score	121
Exons	3641..4024, 3642..3863		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-

Start	27299	End	35213
Name	OJ000250_75.0211.C9.o2.tw	Method	TBLASTX:Wheat
Start	6946	End	7394
GI	none	Score	119
Exons	6946..7170, 6955..7170, 6974..7171, 7176..7334, 7177..7335, 7331..7393, 7332..7394		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o6.tm	Method	TBLASTX:Maize
Start	6957	End	7230
GI	none	Score	139
Exons	6957..7142, 6961..7173, 6998..7171, 7183..7230		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o3.tw	Method	TBLASTX:Wheat
Start	7592	End	35213
GI	none	Score	131
Exons	7592..7822, 7596..7820, 7859..8041, 7860..8033, 35151..35213		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o5.tw	Method	TBLASTX:Wheat
Start	8674	End	9069
GI	none	Score	96
Exons	8674..8946, 8720..8941, 8905..9018, 8911..8994, 8915..9007, 9019..9069		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o8.tm	Method	TBLASTX:Maize
Start	8785	End	9040
GI	none	Score	105
Exons	8785..9024, 8786..9040		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o5.tm	Method	TBLASTX:Maize
Start	12408	End	12705
GI	none	Score	97
Exons	12408..12506, 12420..12506, 12489..12698, 12502..12705, 12504..12704, 12535..12705		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	12432	End	18024
GI	none	Score	188
Exons	12432..12713, 17677..18024, 17696..18022		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	17651	End	17961
GI	none	Score	330
Exons	17651..17959, 17668..17961, 17668..17961		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	17671	End	18027
GI	none	Score	205
Exons	17671..18027, 17672..18025		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o6.tw	Method	TBLASTX:Wheat
Start	17834	End	18048
GI	none	Score	56
Exons	17834..17884, 17863..17883, 17884..18048, 17884..18027		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	18373	End	22406
GI	none	Score	523
Exons	18373..19107, 18384..18815, 21967..22155, 22158..22406		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o7.tw	Method	TBLASTX:Wheat
Start	18493	End	22116
GI	none	Score	105
Exons	18493..18669, 18679..18831, 18823..18903, 21967..22116		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o8.tw	Method	TBLASTX:Wheat
Start	19074	End	22743
GI	none	Score	71
Exons	19074..19226, 19198..19296, 19367..19450, 22188..22418, 22449..22514, 22618..22743		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	19366	End	23087
GI	none	Score	252
Exons	19366..19611, 19367..19726, 19739..19825, 22642..22944, 23040..23087		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o4.tw	Method	TBLASTX:Wheat
Start	19550	End	23198
GI	none	Score	322
Exons	19550..19918, 19699..19920, 23028..23198		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o7.tm	Method	TBLASTX:Maize
Start	19997	End	20290
GI	none	Score	164
Exons	19997..20179, 20048..20173, 20189..20290		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o7.gs	Method	GENSCAN
Start	27299	End	35050
GI	none	Score	.59
Exons	27299..27444, 29498..29660, 30772..30954, 31766..31869, 32343..32404, 33527..33698, 34734..34809, 34892..35050		

Seq. No.	28440	Seq. ID	OJ000250_75.0211.C9
Gene No.	58629	Strand	-
Start	27299	End	35213
Name	OJ000250_75.0211.C9.o4.gp	Method	AAT/GAP
Start	31926	End	32404
GI	none	Score	888
Exons	31926..32404		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58630	Strand	+
Start	1226	End	3956
Name	OJ000250_75.0211.C10.o1.gs	Method	GENSCAN
Start	1226	End	3956
GI	none	Score	.67
Exons	1226..1249, 1271..1539, 1571..1930, 2180..2453, 3220..3366, 3574..3795, 3870..3956		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58631	Strand	+
Start	8089	End	9519
Name	OJ000250_75.0211.C10.o1.np	Method	AAT/NAP
Start	7318	End	9516
GI	4204761	Score	551
Exons	7318..7440, 8163..8325, 8498..8683, 8800..8965, 9098..9516		
GI Descrip.	(U51192) peroxidase precursor [Glycine max]		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58631	Strand	+
Start	8089	End	9519
Name	OJ000250_75.0211.C10.o1.gp	Method	AAT/GAP
Start	7877	End	8574

GI	uC-osroM202035d11b1	Score	978
Exons	7877..8325, 8498..8574		
GI Descrip.	'1161566/emb|CAA64413| 7.0e-11 (X94943) peroxidase [Lycopersicon esculentum]'		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58631	Strand	+
Start	8089	End	9519
Name	OJ000250_75.0211.C10.o2.gs	Method	GENSCAN
Start	8089	End	9519
GI	none	Score	.96
Exons	8089..8325, 8498..8683, 8800..8965, 9098..9519		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58632	Strand	+
Start	16500	End	20997
Name	OJ000250_75.0211.C10.o4.gs	Method	GENSCAN
Start	16500	End	20181
GI	none	Score	.68
Exons	16500..16535, 17217..17331, 17820..17908, 18140..18334, 19119..19425, 19847..20181		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58632	Strand	+
Start	16500	End	20997
Name	OJ000250_75.0211.C10.o3.gp	Method	AAT/GAP
Start	17688	End	17999
GI	none	Score	596
Exons	17688..17999		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58632	Strand	+
Start	16500	End	20997
Name	OJ000250_75.0211.C10.o3.np	Method	AAT/NAP
Start	18127	End	20997
GI	3776567	Score	620
Exons	18127..18334, 19119..19580, 19660..20076, 20812..20997		
GI Descrip.	(AC005388) Strong similarity to F21B7.33 gi|2809264 from A. thaliana BAC gb|AC002560. EST gb|N65119 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58632	Strand	+
Start	16500	End	20997
Name	OJ000250_75.0211.C10.o4.gp	Method	AAT/GAP
Start	19472	End	19980
GI	uC-osflcyp139a07b1	Score	768
Exons	19472..19580, 19660..19980		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58633	Strand	-
Start	6874	End	10678
Name	OJ000250_75.0211.C10.o2.np	Method	AAT/NAP
Start	6874	End	10678
GI	6721547	Score	103

Exons	6874..6930, 9238..9335, 10594..10678		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58633	Strand	-
Start	6874	End	10678
Name	OJ000250_75.0211.C10.o2.gp	Method	AAT/GAP
Start	9350	End	9847
GI	none	Score	969
Exons	9350..9847		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	8157	End	8554
GI	none	Score	203
Exons	8157..8330, 8164..8352, 8185..8331, 8495..8554		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	8172	End	9501
GI	none	Score	128
Exons	8172..8321, 8173..8325, 8492..8695, 8788..8844, 8920..8970, 9097..9135, 9259..9393, 9273..9371, 9357..9500, 9415..9501		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	8188	End	9501
GI	none	Score	105
Exons	8188..8325, 8211..8345, 8476..8628, 8492..8695, 8805..8966, 8806..8967, 9097..9126, 9130..9237, 9246..9371, 9247..9393, 9421..9501, 9433..9501		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	8215	End	8877
GI	none	Score	97
Exons	8215..8322, 8217..8345, 8218..8325, 8492..8695, 8543..8683, 8783..8845, 8794..8877, 8799..8876		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	8919	End	9387
GI	none	Score	74
Exons	8919..8969, 8920..8970, 9093..9137, 9095..9310, 9096..9320, 9097..9327, 9180..9326, 9322..9387, 9324..9383		
Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10

Gene No.	58634	Strand	-
Start	13810	End	14960
Name	OJ000250_75.0211.C10.o3.gs	Method	GENSCAN
Start	13810	End	14960
GI	none	Score	.78
Exons	13810..13850, 14598..14825, 14837..14960		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58635	Strand	
Start	19116	End	20097
Name	OJ000250_75.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	19116	End	19839
GI	none	Score	291
Exons	19116..19439, 19118..19435, 19453..19548, 19457..19549, 19458..19583, 19656..19724, 19657..19761, 19657..19719, 19659..19721, 19734..19814, 19735..19791, 19738..19839, 19740..19820		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58635	Strand	
Start	19116	End	20097
Name	OJ000250_75.0211.C10.o2.tc	Method	TBLASTX:Cress
Start	19457	End	19866
GI	none	Score	155
Exons	19457..19546, 19458..19583, 19655..19723, 19657..19710, 19738..19866		

Seq. No.	28441	Seq. ID	OJ000250_75.0211.C10
Gene No.	58635	Strand	
Start	19116	End	20097
Name	OJ000250_75.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	19702	End	20097
GI	none	Score	336
Exons	19702..19938, 19704..19937, 19923..20096, 19951..20097		

Seq. No.	28442	Seq. ID	OJ000250_75.0211.C11
Gene No.	58636	Strand	+
Start	490	End	1130
Name	OJ000250_75.0211.C11.o1.np	Method	AAT/NAP
Start	490	End	1130
GI	2498930	Score	758
Exons	490..550, 718..1130		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	28442	Seq. ID	OJ000250_75.0211.C11
Gene No.	58636	Strand	+
Start	490	End	1130
Name	OJ000250_75.0211.C11.o1.gs	Method	GENSCAN
Start	491	End	1112
GI	none	Score	1
Exons	491..550, 718..1112		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o1.np	Method	AAT/NAP

Start	1	End	4359
GI	3212848	Score	2409
Exons	1..670, 751..874, 1029..1281, 1483..1695, 1851..1935, 2077..2201, 2562..3369, 3474..3726, 3883..3952, 4028..4359		
GI Descrip.	(AC004005) putative inositol polyphosphate 5'-phosphatase [Arabidopsis thaliana]		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	307	End	858
GI	none	Score	151
Exons	307..372, 394..681, 503..697, 741..857, 757..858		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	307	End	466
GI	none	Score	162
Exons	307..465, 308..442, 308..466, 394..465		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o1.gs	Method	GENSCAN
Start	310	End	4156
GI	none	Score	.72
Exons	310..670, 838..874, 1029..1296, 1372..1409, 1542..1695, 1851..1935, 2077..2201, 3171..3369, 3474..3726, 3883..4156		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	463	End	1093
GI	none	Score	124
Exons	463..672, 503..670, 741..881, 757..882, 1018..1092, 1024..1083, 1028..1093		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o2.tm	Method	TBLASTX:Maize
Start	469	End	681
GI	none	Score	126
Exons	469..681, 536..670		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o2.ts	Method	TBLASTX:Soybean
Start	1105	End	2147
GI	none	Score	117
Exons	1105..1254, 1105..1278, 1558..1668, 1571..1696, 1849..1932, 1851..1883, 1875..1931, 2076..2147		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o2.tc	Method	TBLASTX:Cress
Start	2679	End	3104
GI	none	Score	87
Exons	2679..2801, 2680..2802, 2778..3104, 2779..3099		

Seq. No.	28443	Seq. ID	OJ000250_74.0211.C1
Gene No.	58637	Strand	-
Start	1	End	4359
Name	OJ000250_74.0211.C1.o3.ts	Method	TBLASTX:Soybean
Start	3336	End	3740
GI	none	Score	37
Exons	3336..3368, 3473..3727, 3480..3551, 3585..3740		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58638	Strand	+
Start	59	End	10872
Name	OJ000250_74.0211.C2.o1.gs	Method	GENSCAN
Start	59	End	10872
GI	none	Score	.4
Exons	59..277, 2379..2823, 3246..3297, 3980..4039, 4494..4565, 5160..5250, 6496..6887, 7316..7595, 7647..7678, 8444..8583, 9069..9911, 10504..10872		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58638	Strand	+
Start	59	End	10872
Name	OJ000250_74.0211.C2.o2.np	Method	AAT/NAP
Start	9102	End	10818
GI	5803254	Score	778
Exons	9102..9911, 10018..10182, 10504..10818		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58639	Strand	+
Start	12018	End	15086
Name	OJ000250_74.0211.C2.o2.gs	Method	GENSCAN
Start	12018	End	14592
GI	none	Score	.69
Exons	12018..12093, 13022..13128, 13947..14113, 14439..14592		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58639	Strand	+
Start	12018	End	15086
Name	OJ000250_74.0211.C2.o3.np	Method	AAT/NAP
Start	13980	End	15086
GI	5803254	Score	464
Exons	13980..14755, 15060..15086		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58640	Strand	-
Start	1386	End	1657
Name	OJ000250_74.0211.C2.o1.np	Method	AAT/NAP
Start	1386	End	1657
GI	6498457	Score	78
Exons	1386..1657		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58641	Strand	
Start	2604	End	4040
Name	OJ000250_74.0211.C2.o2.tm	Method	TBLASTX:Maize
Start	2604	End	4040
GI	none	Score	162
Exons	2604..2723, 2605..2718, 2810..2869, 2810..2869, 3037..3108, 3044..3106, 3048..3134, 3232..3288, 3232..3288, 3243..3308, 3245..3292, 3975..4040		

Seq. No.	28444	Seq. ID	OJ000250_74.0211.C2
Gene No.	58642	Strand	
Start	9515	End	10188
Name	OJ000250_74.0211.C2.o1.tm	Method	TBLASTX:Maize
Start	9515	End	10188
GI	none	Score	187
Exons	9515..9742, 9522..9746, 9789..9914, 9835..9912, 10021..10086, 10021..10074, 10117..10188, 10119..10187		

Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58643	Strand	-
Start	492	End	6257
Name	OJ000250_74.0211.C3.o1.gp	Method	AAT/GAP
Start	214	End	667
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	214..667		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58643	Strand	-
Start	492	End	6257
Name	OJ000250_74.0211.C3.o1.gs	Method	GENSCAN
Start	492	End	6257
GI	none	Score	.56
Exons	492..652, 803..1005, 1010..1057, 1121..1252, 1343..1380, 1446..1628, 1721..1979, 2056..2354, 2448..2858, 3033..3279, 3385..3535, 3911..6257		

Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58643	Strand	-
Start	492	End	6257
Name	OJ000250_74.0211.C3.o1.np	Method	AAT/NAP
Start	771	End	6086
GI	5441880	Score	4701
Exons	771..1005, 1121..1252, 1343..1366, 1403..1476, 1721..1979, 2056..2354, 2943..3279, 3385..3535, 4031..4346, 4605..4636,		

	5081..6086		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58643	Strand	-
Start	492	End	6257
Name	OJ000250_74.0211.C3.o2.gp	Method	AAT/GAP
Start	1729	End	2228
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	1729..1979, 2056..2228		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58643	Strand	-
Start	492	End	6257
Name	OJ000250_74.0211.C3.o3.gp	Method	AAT/GAP
Start	5051	End	5482
GI	5701669	Score	837
Exons	5051..5482		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58644	Strand	-
Start	6979	End	7073
Name	OJ000250_74.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	4851	End	5231
GI	none	Score	79
Exons	4851..5027, 4881..5027, 4912..5031, 5025..5222, 5037..5231		
Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58644	Strand	-
Start	6979	End	7073
Name	OJ000250_74.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	4929	End	5525
GI	none	Score	151
Exons	4929..5000, 5064..5363, 5125..5346, 5397..5525, 5419..5517		
Seq. No.	28445	Seq. ID	OJ000250_74.0211.C3
Gene No.	58644	Strand	-
Start	6979	End	7073
Name	OJ000250_74.0211.C3.o4.gp	Method	AAT/GAP
Start	6979	End	7073
GI	7406_1.R1084	Score	141
Exons	6979..7073		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58645	Strand	+
Start	1	End	4612
Name	OJ000250_74.0211.C4.o1.np	Method	AAT/NAP

Start	1	End	762
GI	5803254	Score	208
Exons	1..25, 218..285, 362..762		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58645	Strand	+
Start	1	End	4612
Name	OJ000250_74.0211.C4.o1.gs	Method	GENSCAN
Start	245	End	4612
GI	none	Score	.6
Exons	245..285, 1446..1579, 2025..3053, 3288..3584, 3678..3853, 4005..4209, 4309..4612		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58645	Strand	+
Start	1	End	4612
Name	OJ000250_74.0211.C4.o2.np	Method	AAT/NAP
Start	1957	End	4570
GI	3283026	Score	910
Exons	1957..2397, 2550..3853, 4005..4209, 4315..4570		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	2070	End	4390
GI	none	Score	124
Exons	2070..2225, 2071..2238, 2458..2607, 2542..2925, 2592..2750, 2814..2924, 2917..3120, 2926..3120, 3115..3222, 3229..3675, 4010..4210, 4319..4390		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o4.ts	Method	TBLASTX:Soybean
Start	2605	End	2835
GI	none	Score	199
Exons	2605..2835, 2607..2768		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o3.ts	Method	TBLASTX:Soybean
Start	3070	End	3408
GI	none	Score	57
Exons	3070..3129, 3142..3303, 3144..3290, 3319..3408		

Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	3974	End	4390
GI	none	Score	119

Exons	3974..4117, 4124..4246, 4325..4390		
Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	4004	End	4222
GI	none	Score	189
Exons	4004..4222		
Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o2.gs	Method	GENSCAN
Start	5595	End	6692
GI	none	Score	.76
Exons	5595..6692		
Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	5656	End	6242
GI	none	Score	48
Exons	5656..5718, 5736..6242, 5749..6237		
Seq. No.	28446	Seq. ID	OJ000250_74.0211.C4
Gene No.	58646	Strand	-
Start	5595	End	6692
Name	OJ000250_74.0211.C4.o2.tc	Method	TBLASTX:Cress
Start	6294	End	6548
GI	none	Score	262
Exons	6294..6548		
Seq. No.	28447	Seq. ID	OJ000250_74.0211.C5
Gene No.	58647	Strand	-
Start	34	End	428
Name	OJ000250_74.0211.C5.o1.gs	Method	GENSCAN
Start	34	End	428
GI	none	Score	.87
Exons	34..428		
Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58648	Strand	+
Start	116	End	1402
Name	OJ000250_74.0211.C6.o1.gs	Method	GENSCAN
Start	116	End	1402
GI	none	Score	.98
Exons	116..1402		
Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58649	Strand	+
Start	2755	End	3087
Name	OJ000250_74.0211.C6.o2.gs	Method	GENSCAN
Start	2755	End	3087
GI	none	Score	.99
Exons	2755..3087		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58650	Strand	+
Start	26785	End	32104
Name	OJ000250_74.0211.C6.o1.gp	Method	AAT/GAP
Start	26469	End	26915
GI	none	Score	844
Exons	26469..26915		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58650	Strand	+
Start	26785	End	32104
Name	OJ000250_74.0211.C6.o5.gs	Method	GENSCAN
Start	26785	End	32104
GI	none	Score	.53
Exons	26785..27020, 27786..28158, 30326..30404, 30708..30823, 31661..32104		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58650	Strand	+
Start	26785	End	32104
Name	OJ000250_74.0211.C6.o2.gp	Method	AAT/GAP
Start	27681	End	27747
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	27681..27747		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58650	Strand	+
Start	26785	End	32104
Name	OJ000250_74.0211.C6.o3.gp	Method	AAT/GAP
Start	27755	End	28077
GI	none	Score	642
Exons	27755..28077		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58650	Strand	+
Start	26785	End	32104
Name	OJ000250_74.0211.C6.o4.gp	Method	AAT/GAP
Start	28065	End	28534
GI	3760518	Score	843
Exons	28065..28534		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58651	Strand	+
Start	35497	End	42679
Name	OJ000250_74.0211.C6.o5.gp	Method	AAT/GAP
Start	35427	End	37012
GI	none	Score	885
Exons	35427..35613, 36465..36609, 36690..36757, 36914..37012		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58651	Strand	+
Start	35497	End	42679
Name	OJ000250_74.0211.C6.o7.gs	Method	GENSCAN

Start	35497	End	38824
GI	none	Score	.8
Exons	35497..35613, 36465..36609, 36690..36757, 36914..36999, 37257..37740, 38075..38219, 38278..38405, 38702..38824		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58651	Strand	+
Start	35497	End	42679
Name	OJ000250_74.0211.C6.o6.gp	Method	AAT/GAP
Start	37602	End	38627
GI	41705_1.R1084	Score	1492
Exons	37602..37839, 38075..38627		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58651	Strand	+
Start	35497	End	42679
Name	OJ000250_74.0211.C6.o2.np	Method	AAT/NAP
Start	37893	End	42679
GI	3047086	Score	91
Exons	37893..37980, 40753..41014, 42663..42679		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58651	Strand	+
Start	35497	End	42679
Name	OJ000250_74.0211.C6.o7.gp	Method	AAT/GAP
Start	38815	End	38876
GI	4715947	Score	63
Exons	38815..38876		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58652	Strand	-
Start	32726	End	33219
Name	OJ000250_74.0211.C6.o6.gs	Method	GENSCAN
Start	32726	End	33219
GI	none	Score	.89
Exons	32726..32837, 33119..33219		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o2.ts	Method	TBLASTX:Soybean
Start	214	End	448
GI	none	Score	229
Exons	214..447, 215..448		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636

Name	OJ000250_74.0211.C6.o3.ts	Method	TBLASTX:Soybean
Start	746	End	1261
GI	none	Score	58
Exons	746..814, 869..970, 992..1138, 1121..1261		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	35479	End	38324
GI	none	Score	68
Exons	35479..35595, 35480..35524, 35497..35595, 36459..36602, 36459..36605, 36463..36609, 36467..36610, 36520..36612, 36687..36752, 36694..36753, 36695..36763, 36899..37000, 36908..36994, 36912..36998, 36913..37002, 37255..37833, 37257..37829, 38062..38229, 38066..38254, 38074..38259, 38268..38324		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	35493	End	38307
GI	none	Score	123
Exons	35493..35585, 35497..35586, 35497..35586, 36540..36608, 36682..36753, 36683..36763, 36899..36997, 36913..37002, 37257..37433, 37261..37482, 37480..37839, 37500..37670, 37716..37841, 38113..38307, 38123..38254		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o1.tc	Method	TBLASTX:Cress
Start	36682	End	37683
GI	none	Score	85
Exons	36682..36774, 36683..36763, 37254..37475, 37258..37494, 37480..37683, 37507..37638		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	37255	End	37611
GI	none	Score	410
Exons	37255..37611, 37257..37571, 37258..37611		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	39454	End	39753
GI	none	Score	143
Exons	39454..39753, 39481..39753		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636

Name	OJ000250_74.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	39643	End	40011
GI	none	Score	146
Exons	39643..40011, 39644..39991		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o4.tm	Method	TBLASTX:Maize
Start	39937	End	40352
GI	none	Score	73
Exons	39937..39993, 39938..40057, 39945..40046, 40024..40056, 40051..40161, 40158..40352		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o3.tm	Method	TBLASTX:Maize
Start	40708	End	41002
GI	none	Score	207
Exons	40708..40944, 40711..40899, 40932..41000, 40937..41002		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o3.np	Method	AAT/NAP
Start	41280	End	44636
GI	6503308	Score	66
Exons	41280..41306, 43449..43585, 44611..44636		
GI Descrip.	(AC011713) Contains PF|00646 F-box domain. ESTs gb|AA586135, gb|Z26675, gb|AI993239 and gb|AA585907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o8.gs	Method	GENSCAN
Start	41700	End	44264
GI	none	Score	.92
Exons	41700..42059, 42432..42584, 42700..43102, 43310..43617, 44244..44264		

Seq. No.	28448	Seq. ID	OJ000250_74.0211.C6
Gene No.	58653	Strand	-
Start	41700	End	44636
Name	OJ000250_74.0211.C6.o9.gp	Method	AAT/GAP
Start	43536	End	44553
GI	none	Score	744
Exons	43536..43617, 44244..44553		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58654	Strand	+
Start	11073	End	18053
Name	OJ000250_74.0211.C7.o3.gp	Method	AAT/GAP
Start	11021	End	11497
GI	3761403	Score	707
Exons	11021..11497		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58654	Strand	+
Start	11073	End	18053
Name	OJ000250_74.0211.C7.o2.gs	Method	GENSCAN
Start	11073	End	18053
GI	none	Score	.51
Exons	11073..11631, 13550..14229, 16348..16474, 16476..16680, 16751..16813, 16818..16906, 17241..17576, 17593..18053		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58654	Strand	+
Start	11073	End	18053
Name	OJ000250_74.0211.C7.o2.np	Method	AAT/NAP
Start	11091	End	14615
GI	4572673	Score	1040
Exons	11091..11640, 13553..14223, 14577..14615		
GI Descrip.	(AC006954) putative sarcosine oxidase [Arabidopsis thaliana]		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58655	Strand	-
Start	1465	End	6886
Name	OJ000250_74.0211.C7.o1.gs	Method	GENSCAN
Start	1465	End	6886
GI	none	Score	.81
Exons	1465..1574, 1601..1756, 2486..2540, 2693..2801, 3075..3175, 3560..3726, 3840..3936, 4694..4945, 5186..5587, 6398..6886		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58655	Strand	-
Start	1465	End	6886
Name	OJ000250_74.0211.C7.o1.gp	Method	AAT/GAP
Start	1743	End	3638
GI	5003404	Score	1117
Exons	1743..2087, 2693..2801, 3075..3151, 3560..3638		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58655	Strand	-
Start	1465	End	6886
Name	OJ000250_74.0211.C7.o1.np	Method	AAT/NAP
Start	3186	End	6638
GI	5080792	Score	253
Exons	3186..3212, 4694..4936, 5182..5356, 5392..5587, 6398..6638		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58655	Strand	-
Start	1465	End	6886
Name	OJ000250_74.0211.C7.o2.gp	Method	AAT/GAP
Start	3755	End	4759
GI	5003405	Score	462
Exons	3755..3936, 4694..4759		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58656	Strand	-
Start	17253	End	18017
Name	OJ000250_74.0211.C7.o3.np	Method	AAT/NAP

Start	17253	End	18017
GI	4467154	Score	640
Exons	17253..17514, 17591..18017		
GI Descrip.	(AL035540) putative thaumatin-like protein [Arabidopsis thaliana]		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58657	Strand	-
Start	19375	End	21603
Name	OJ000250_74.0211.C7.o4.gp	Method	AAT/GAP
Start	19239	End	19694
GI	none	Score	875
Exons	19239..19694		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58657	Strand	-
Start	19375	End	21603
Name	OJ000250_74.0211.C7.o3.gs	Method	GENSCAN
Start	19375	End	21603
GI	none	Score	.66
Exons	19375..19606, 20281..20326, 20574..20797, 20877..20993, 21345..21395, 21509..21603		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58657	Strand	-
Start	19375	End	21603
Name	OJ000250_74.0211.C7.o4.np	Method	AAT/NAP
Start	19450	End	20706
GI	3096931	Score	292
Exons	19450..19606, 20281..20326, 20574..20706		
GI Descrip.	(AL023094) putative ribosomal protein S16 [Arabidopsis thaliana]		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o6.tm	Method	TBLASTX:Maize
Start	1944	End	2768
GI	none	Score	74
Exons	1944..2090, 1949..2086, 1957..2088, 2690..2767, 2690..2767, 2694..2768		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o5.ts	Method	TBLASTX:Soybean
Start	4748	End	5399
GI	none	Score	65
Exons	4748..4855, 4835..4948, 4836..4943, 5186..5398, 5187..5399		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o7.tm	Method	TBLASTX:Maize
Start	4798	End	5296
GI	none	Score	179
Exons	4798..4914, 4799..4948, 4800..4946, 5231..5296, 5253..5294		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o3.tm	Method	TBLASTX:Maize
Start	11141	End	11417
GI	none	Score	72
Exons	11141..11182, 11142..11201, 11169..11417, 11193..11414		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o3.ts	Method	TBLASTX:Soybean
Start	11172	End	11639
GI	none	Score	229
Exons	11172..11417, 11196..11381, 11468..11638, 11469..11639		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o4.tc	Method	TBLASTX:Cress
Start	11184	End	11354
GI	none	Score	196
Exons	11184..11354, 11205..11348		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	11423	End	14055
GI	none	Score	253
Exons	11423..11620, 11424..11621, 13561..13887, 13561..13713, 13566..13889, 13894..14055, 13894..14055		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	13744	End	14184
GI	none	Score	45
Exons	13744..13770, 13774..13872, 13791..13859, 13951..14106, 13960..14184, 14058..14141		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	13884	End	14225
GI	none	Score	262
Exons	13884..14138, 13957..14139, 13972..14139, 14145..14225, 14146..14223		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	17255	End	17482
GI	none	Score	169

Exons	17255..17482, 17268..17444		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	17262	End	17996
GI	none	Score	102
Exons	17262..17444, 17300..17473, 17640..17780, 17722..17781, 17781..17996, 17782..17961		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o5.tm	Method	TBLASTX:Maize
Start	17267	End	17467
GI	none	Score	129
Exons	17267..17467, 17268..17429		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	17291	End	18044
GI	none	Score	118
Exons	17291..17479, 17292..17429, 17640..17774, 17722..17775, 17725..18009, 17781..18044		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	17688	End	17996
GI	none	Score	122
Exons	17688..17744, 17745..17858, 17746..17856, 17862..17912, 17863..17913, 17922..17996		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	17751	End	18009
GI	none	Score	382
Exons	17751..17996, 17752..18009, 17932..18003		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o4.tm	Method	TBLASTX:Maize
Start	19322	End	20709
GI	none	Score	298
Exons	19322..19357, 19379..19606, 19380..19601, 19381..19608, 20278..20328, 20278..20328, 20280..20333, 20439..20465, 20569..20709, 20597..20707		
Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-

Start	22359	End	22681
Name	OJ000250_74.0211.C7.o4.ts	Method	TBLASTX:Soybean
Start	19381	End	20707
GI	none	Score	169
Exons	19381..19608, 19460..19606, 19463..19609, 20280..20333, 20569..20706, 20597..20707		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o3.tc	Method	TBLASTX:Cress
Start	19408	End	20709
GI	none	Score	183
Exons	19408..19608, 19412..19609, 20257..20328, 20280..20333, 20569..20709, 20597..20707		

Seq. No.	28449	Seq. ID	OJ000250_74.0211.C7
Gene No.	58658	Strand	-
Start	22359	End	22681
Name	OJ000250_74.0211.C7.o5.gp	Method	AAT/GAP
Start	22359	End	22681
GI	2428050	Score	574
Exons	22359..22681		

Seq. No.	28450	Seq. ID	OJ000250_74.0211.C9
Gene No.	58659	Strand	-
Start	217	End	364
Name	OJ000250_74.0211.C9.o1.gs	Method	GENSCAN
Start	217	End	364
GI	none	Score	.84
Exons	217..364		

Seq. No.	28451	Seq. ID	OJ000250_76.0214.C1
Gene No.	58660	Strand	-
Start	1	End	492
Name	OJ000250_76.0214.C1.o1.np	Method	AAT/NAP
Start	1	End	492
GI	1346109	Score	140
Exons	1..112, 305..492		
GI Descrip.	GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (GPB-LR) (RWD) gi|540535|dbj|BAA07404| (D38231) RWD [Oryza sativa]		

Seq. No.	28451	Seq. ID	OJ000250_76.0214.C1
Gene No.	58660	Strand	-
Start	1	End	492
Name	OJ000250_76.0214.C1.o1.gs	Method	GENSCAN
Start	76	End	465
GI	none	Score	.75
Exons	76..465		

Seq. No.	28452	Seq. ID	OJ000250_76.0214.C3
Gene No.	58661	Strand	-
Start	1	End	103
Name	OJ000250_76.0214.C3.o1.gp	Method	AAT/GAP
Start	1	End	103
GI	none	Score	163

Exons	1..103		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58662	Strand	+
Start	426	End	529
Name	OJ000250_76.0214.C5.o1.np	Method	AAT/NAP
Start	426	End	529
GI	1780757	Score	83
Exons	426..529		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi|6587807|gb|AAF18498.1|AC010924_11 (AC010924) Identical to gb|Y10291 GAG1 protein from Arabidopsis thaliana.		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58663	Strand	+
Start	440	End	611
Name	OJ000250_76.0214.C5.o1.gp	Method	AAT/GAP
Start	440	End	611
GI	LIB3433-017-Q6-K1-B5	Score	322
Exons	440..611		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58663	Strand	+
Start	440	End	611
Name	OJ000250_76.0214.C5.o1.gs	Method	GENSCAN
Start	441	End	566
GI	none	Score	.95
Exons	441..566		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58664	Strand	+
Start	12956	End	19732
Name	OJ000250_76.0214.C5.o3.gs	Method	GENSCAN
Start	12956	End	19732
GI	none	Score	.4
Exons	12956..15372, 15455..15542, 15629..15689, 15759..16354, 16569..16661, 18068..18280, 18363..18455, 19346..19732		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58664	Strand	+
Start	12956	End	19732
Name	OJ000250_76.0214.C5.o5.np	Method	AAT/NAP
Start	12956	End	15067
GI	1345502	Score	1455
Exons	12956..15067		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58664	Strand	+
Start	12956	End	19732
Name	OJ000250_76.0214.C5.o6.np	Method	AAT/NAP
Start	15071	End	19022
GI	4734013	Score	134
Exons	15071..15372, 15664..16110, 18996..19022		
GI Descrip.	(AC007112) putative TNP1-like transposon protein [Arabidopsis		

thaliana]

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58664	Strand	+
Start	12956	End	19732
Name	OJ000250_76.0214.C5.o7.np	Method	AAT/NAP
Start	15496	End	16110
GI	4699938	Score	60
Exons	15496..15542, 15706..16110		
GI Descrip.	(AC007166) En/Spm-like transposon protein [Arabidopsis thaliana]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58665	Strand	+
Start	28231	End	28446
Name	OJ000250_76.0214.C5.o5.gs	Method	GENSCAN
Start	28231	End	28446
GI	none	Score	.95
Exons	28231..28446		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58666	Strand	+
Start	28514	End	31771
Name	OJ000250_76.0214.C5.o8.np	Method	AAT/NAP
Start	28514	End	31771
GI	4335731	Score	1785
Exons	28514..28719, 28753..29469, 29500..31771		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58666	Strand	+
Start	28514	End	31771
Name	OJ000250_76.0214.C5.o6.gs	Method	GENSCAN
Start	29766	End	31665
GI	none	Score	.68
Exons	29766..30164, 30427..30666, 31426..31665		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58667	Strand	+
Start	42886	End	50402
Name	OJ000250_76.0214.C5.o11.np	Method	AAT/NAP
Start	42886	End	50402
GI	4206306	Score	1340
Exons	42886..42933, 44485..44770, 45110..46551, 46585..46900, 48485..48661, 48697..49631, 50351..50402		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58667	Strand	+
Start	42886	End	50402
Name	OJ000250_76.0214.C5.o8.gs	Method	GENSCAN
Start	43442	End	46425
GI	none	Score	.7
Exons	43442..43601, 44356..44823, 44852..46425		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58667	Strand	+

Start	42886	End	50402
Name	OJ000250_76.0214.C5.o9.gs	Method	GENSCAN
Start	49042	End	49713
GI	none	Score	.94
Exons	49042..49713		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58668	Strand	-
Start	1537	End	12659
Name	OJ000250_76.0214.C5.o2.gs	Method	GENSCAN
Start	1537	End	12659
GI	none	Score	.57
Exons	1537..1782, 2757..2985, 3063..3470, 3828..4678, 4769..4915, 4973..5290, 5376..5579, 5814..5928, 6011..6120, 6358..6558, 6627..7750, 8372..8539, 8735..10581, 10818..11085, 11125..11325, 11344..12156, 12476..12659		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58668	Strand	-
Start	1537	End	12659
Name	OJ000250_76.0214.C5.o2.np	Method	AAT/NAP
Start	1655	End	6387
GI	2130141	Score	906
Exons	1655..1718, 3235..4678, 4766..4968, 6336..6387		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58668	Strand	-
Start	1537	End	12659
Name	OJ000250_76.0214.C5.o3.np	Method	AAT/NAP
Start	8598	End	11902
GI	5902445	Score	1469
Exons	8598..9846, 10051..11902		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58669	Strand	-
Start	20639	End	25094
Name	OJ000250_76.0214.C5.o4.gs	Method	GENSCAN
Start	20639	End	25094
GI	none	Score	.67
Exons	20639..20689, 20754..20859, 20868..21153, 21207..23897, 24382..24538, 24722..24940, 24978..25094		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o17.tm	Method	TBLASTX:Maize
Start	3263	End	3689
GI	none	Score	100
Exons	3263..3457, 3264..3410, 3449..3544, 3558..3689		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o5.tm	Method	TBLASTX:Maize

Start	3693	End	4330
GI	none	Score	56
Exons	3693..3830, 3696..3827, 3822..3965, 3827..3949, 3956..4306, 3960..4301, 4012..4302, 4106..4330		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o19.tm	Method	TBLASTX:Maize
Start	4367	End	4663
GI	none	Score	68
Exons	4367..4618, 4369..4503, 4386..4565, 4628..4663		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o8.ts	Method	TBLASTX:Soybean
Start	8592	End	8837
GI	none	Score	47
Exons	8592..8837, 8596..8631, 8707..8793		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o10.tm	Method	TBLASTX:Maize
Start	9102	End	49428
GI	none	Score	358
Exons	9102..9272, 29310..29945, 29447..29674, 39788..40096, 39804..39974, 49306..49428		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o7.ts	Method	TBLASTX:Soybean
Start	9180	End	49401
GI	none	Score	86
Exons	9180..9575, 9286..9474, 9297..9542, 49032..49130, 49126..49221, 49128..49382, 49129..49401		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o18.tm	Method	TBLASTX:Maize
Start	9429	End	49130
GI	none	Score	162
Exons	9429..9782, 48732..49130		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o12.tw	Method	TBLASTX:Wheat
Start	10233	End	46782
GI	none	Score	70
Exons	10233..10523, 10318..10524, 10577..10666, 46458..46553, 46459..46551, 46633..46782		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5

Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o5.ts	Method	TBLASTX:Soybean
Start	10296	End	46782
GI	none	Score	76
Exons	10296..10526, 10300..10413, 10568..10711, 10574..10711, 10578..10712, 46426..46563, 46636..46782		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o2.ts	Method	TBLASTX:Soybean
Start	10863	End	46338
GI	none	Score	71
Exons	10863..11009, 10865..11050, 11054..11332, 11094..11297, 45802..46281, 45858..45977, 46134..46265, 46261..46338		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o8.tw	Method	TBLASTX:Wheat
Start	10949	End	46176
GI	none	Score	62
Exons	10949..11050, 11027..11329, 11186..11275, 45805..46176, 45807..45986, 46029..46175		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o3.tm	Method	TBLASTX:Maize
Start	11018	End	46083
GI	none	Score	316
Exons	11018..11479, 11019..11354, 11415..11477, 45663..45977, 45667..46083		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	11346	End	45786
GI	none	Score	180
Exons	11346..11747, 11347..11619, 11348..11755, 11399..11629, 11415..11738, 45388..45450, 45439..45666, 45459..45644, 45649..45786		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o14.tm	Method	TBLASTX:Maize
Start	11480	End	45653
GI	none	Score	87
Exons	11480..11626, 11480..11695, 11481..11693, 45442..45645, 45459..45653		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428

Name	OJ000250_76.0214.C5.o9.ts	Method	TBLASTX:Soybean
Start	11549	End	45591
GI	none	Score	126
Exons	11549..11683, 11699..11917, 45226..45444, 45448..45591		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o20.tm	Method	TBLASTX:Maize
Start	12936	End	13237
GI	none	Score	118
Exons	12936..13100, 12940..13083, 12947..13102, 13098..13166, 13106..13135, 13157..13237, 13164..13235, 13184..13237		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o13.tw	Method	TBLASTX:Wheat
Start	13418	End	13681
GI	none	Score	145
Exons	13418..13567, 13580..13681		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o12.ts	Method	TBLASTX:Soybean
Start	13445	End	13843
GI	none	Score	94
Exons	13445..13567, 13568..13681, 13712..13843, 13738..13839		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o2.tm	Method	TBLASTX:Maize
Start	13501	End	13971
GI	none	Score	197
Exons	13501..13659, 13502..13660, 13645..13959, 13652..13969, 13718..13969, 13720..13971		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o1.tc	Method	TBLASTX:Cress
Start	13580	End	13924
GI	none	Score	106
Exons	13580..13681, 13703..13924, 13768..13920		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o10.tw	Method	TBLASTX:Wheat
Start	13709	End	14029
GI	none	Score	243
Exons	13709..13975, 13711..13956, 13769..14029		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-

Start	32512	End	49428
Name	OJ000250_76.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	14124	End	14584
GI	none	Score	409
Exons	14124..14582, 14126..14584, 14128..14259, 14132..14581		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o4.tm	Method	TBLASTX:Maize
Start	14610	End	15106
GI	none	Score	86
Exons	14610..14846, 14612..15106, 14662..15105, 14666..15106		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o11.ts	Method	TBLASTX:Soybean
Start	14675	End	15058
GI	none	Score	103
Exons	14675..14839, 14701..14778, 14810..15058, 14846..15058		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o6.tw	Method	TBLASTX:Wheat
Start	14759	End	15160
GI	none	Score	330
Exons	14759..15160, 14761..15150		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o6.tm	Method	TBLASTX:Maize
Start	15188	End	15772
GI	none	Score	251
Exons	15188..15376, 15190..15375, 15193..15381, 15413..15475, 15446..15541, 15453..15548, 15453..15545, 15614..15772, 15625..15771		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o9.tm	Method	TBLASTX:Maize
Start	15922	End	16417
GI	none	Score	304
Exons	15922..16212, 15923..16222, 16238..16402, 16255..16377, 16265..16417, 16293..16415		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o12.tm	Method	TBLASTX:Maize
Start	18062	End	19104
GI	none	Score	262
Exons	18062..18280, 18100..18282, 18100..18282, 18360..18446, 18363..18455, 18996..19103, 18997..19104		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o21.tm	Method	TBLASTX:Maize
Start	21733	End	22110
GI	none	Score	88
Exons	21733..21906, 21895..21960, 21985..22110, 21986..22093		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o13.ts	Method	TBLASTX:Soybean
Start	29187	End	40390
GI	none	Score	41
Exons	29187..29219, 29223..29360, 40010..40258, 40241..40390		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o9.tw	Method	TBLASTX:Wheat
Start	29373	End	40145
GI	none	Score	98
Exons	29373..29531, 29420..29506, 39945..40145, 39945..40142, 39947..40144		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	29484	End	40000
GI	none	Score	454
Exons	29484..29960, 29486..29857, 39602..39775, 39779..40000, 39780..39998		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o2.tc	Method	TBLASTX:Cress
Start	29499	End	39985
GI	none	Score	234
Exons	29499..29942, 29517..29948, 39578..39766, 39782..39985		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	29553	End	39944
GI	none	Score	138
Exons	29553..29705, 29745..29885, 39198..39446, 39202..39381, 39272..39433, 39449..39943, 39450..39944		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o4.ts	Method	TBLASTX:Soybean
Start	30284	End	39278

GI	5509260	Score	77
Exons	30284..30385, 30391..30750, 30414..30527, 38825..39004, 38832..39278, 39022..39174		
GI Descrip.	-		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o3.tc	Method	TBLASTX:Cress
Start	30400	End	39185
GI	none	Score	207
Exons	30400..30624, 38925..39185		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o15.tm	Method	TBLASTX:Maize
Start	30415	End	39137
GI	none	Score	285
Exons	30415..30819, 30486..30722, 38800..38892, 38832..39137, 38834..38986, 38928..38990, 39013..39129, 39065..39130		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o4.tw	Method	TBLASTX:Wheat
Start	30415	End	39128
GI	none	Score	264
Exons	30415..30759, 30432..30545, 30979..31068, 38600..38776, 38631..38759, 38832..39128, 38965..39126		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o3.ts	Method	TBLASTX:Soybean
Start	30889	End	38458
GI	none	Score	174
Exons	30889..31059, 30900..31058, 31052..31174, 31056..31175, 31178..31312, 31181..31297, 31183..31320, 38273..38410, 38408..38458		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o11.tm	Method	TBLASTX:Maize
Start	31119	End	38255
GI	none	Score	85
Exons	31119..31178, 31178..31297, 31318..31548, 31323..31379, 31425..31502, 31546..31617, 31566..31619, 31676..31729, 37833..37949, 38007..38255		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o3.tw	Method	TBLASTX:Wheat
Start	31318	End	38392
GI	none	Score	151

Exons	31318..31527, 31323..31472, 37918..38268, 37920..38267, 38267..38302, 38304..38387, 38318..38392, 38319..38387, 38323..38391		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o6.ts	Method	TBLASTX:Soybean
Start	31332	End	38240
GI	none	Score	254
Exons	31332..31472, 31333..31536, 31515..31616, 31516..31617, 31516..31641, 38046..38240		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o7.gs	Method	GENSCAN
Start	32512	End	41932
GI	none	Score	.48
Exons	32512..33316, 33676..33828, 34448..34622, 34762..34972, 35327..35625, 36245..36371, 37980..38257, 38269..38699, 38920..39460, 39562..40720, 41107..41794, 41823..41932		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o9.np	Method	AAT/NAP
Start	32590	End	36600
GI	6862956	Score	430
Exons	32590..33379, 36569..36600		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o7.tm	Method	TBLASTX:Maize
Start	32698	End	33054
GI	none	Score	160
Exons	32698..32937, 32698..33054, 32699..33007		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o4.tc	Method	TBLASTX:Cress
Start	32782	End	33012
GI	none	Score	65
Exons	32782..33012, 32879..33007		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o7.tw	Method	TBLASTX:Wheat
Start	32893	End	33279
GI	none	Score	85
Exons	32893..33117, 32894..32986, 33121..33177, 33166..33279		
Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5

Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o5.tw	Method	TBLASTX:Wheat
Start	35802	End	41685
GI	none	Score	165
Exons	35802..35870, 41289..41471, 41290..41511, 41309..41500, 41551..41685		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o2.gp	Method	AAT/GAP
Start	36199	End	36385
GI	4107129	Score	297
Exons	36199..36385		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o11.tw	Method	TBLASTX:Wheat
Start	37291	End	37643
GI	none	Score	81
Exons	37291..37395, 37336..37395, 37422..37499, 37429..37497, 37459..37500, 37488..37568, 37499..37570, 37500..37562, 37501..37593, 37571..37642, 37572..37643		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o10.np	Method	AAT/NAP
Start	37782	End	41580
GI	6630696	Score	5929
Exons	37782..41580		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o13.tm	Method	TBLASTX:Maize
Start	38258	End	38596
GI	none	Score	241
Exons	38258..38596, 38259..38582, 38267..38590		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o10.ts	Method	TBLASTX:Soybean
Start	38460	End	38747
GI	none	Score	48
Exons	38460..38585, 38474..38587, 38588..38746, 38619..38747		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-

Start	32512	End	49428
Name	OJ000250_76.0214.C5.o8.tm	Method	TBLASTX:Maize
Start	40340	End	40724
GI	none	Score	249
Exons	40340..40402, 40400..40720, 40416..40724, 40421..40720, 40437..40721		

Seq. No.	28453	Seq. ID	OJ000250_76.0214.C5
Gene No.	58670	Strand	-
Start	32512	End	49428
Name	OJ000250_76.0214.C5.o16.tm	Method	TBLASTX:Maize
Start	41233	End	41514
GI	none	Score	114
Exons	41233..41424, 41233..41514, 41295..41444, 41309..41491		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58671	Strand	+
Start	1	End	334
Name	OJ000250_76.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	334
GI	4544372	Score	133
Exons	1..334		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58672	Strand	+
Start	1564	End	1708
Name	OJ000250_76.0214.C6.o1.gs	Method	GENSCAN
Start	1564	End	1708
GI	none	Score	.92
Exons	1564..1708		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58673	Strand	+
Start	6686	End	10303
Name	OJ000250_76.0214.C6.o2.np	Method	AAT/NAP
Start	6686	End	10303
GI	5042463	Score	177
Exons	6686..6907, 7568..7709, 7755..7863, 10279..10303		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58674	Strand	+
Start	14059	End	17050
Name	OJ000250_76.0214.C6.o4.gs	Method	GENSCAN
Start	14059	End	17050
GI	none	Score	.49
Exons	14059..14167, 14252..14535, 16271..17050		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58675	Strand	+
Start	17120	End	17258
Name	OJ000250_76.0214.C6.o1.gp	Method	AAT/GAP
Start	17120	End	17258
GI	LIB3432-008-P1-K1-F11	Score	131
Exons	17120..17145, 17176..17258		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58676	Strand	+
Start	19928	End	21919
Name	OJ000250_76.0214.C6.o5.gs	Method	GENSCAN
Start	19928	End	21919
GI	none	Score	.8
Exons	19928..19948, 20432..21919		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58677	Strand	-
Start	7678	End	13827
Name	OJ000250_76.0214.C6.o3.gs	Method	GENSCAN
Start	7678	End	13818
GI	none	Score	.42
Exons	7678..7797, 7866..7987, 8194..8418, 8796..8815, 8913..9030, 9469..9579, 9607..10497, 10546..10791, 11221..11343, 12897..12941, 13380..13490, 13518..13818		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58677	Strand	-
Start	7678	End	13827
Name	OJ000250_76.0214.C6.o3.np	Method	AAT/NAP
Start	8912	End	13827
GI	6815052	Score	2018
Exons	8912..9030, 9607..9681, 9763..10497, 10546..10690, 11472..11564, 12427..12526, 12824..12941, 13518..13592, 13674..13827		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58678	Strand	-
Start	15809	End	18551
Name	OJ000250_76.0214.C6.o4.np	Method	AAT/NAP
Start	15809	End	18551
GI	6539570	Score	176
Exons	15809..15977, 16622..17028, 17294..17316, 18101..18167, 18348..18551		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58679	Strand	-
Start	18678	End	20605
Name	OJ000250_76.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	30	End	319
GI	none	Score	324
Exons	30..245, 31..252, 79..246, 250..318, 251..319		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58679	Strand	-
Start	18678	End	20605
Name	OJ000250_76.0214.C6.o2.tw	Method	TBLASTX:Wheat
Start	10597	End	11245
GI	none	Score	90
Exons	10597..10665, 10751..11041, 11062..11214, 11066..11245		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58679	Strand	-
Start	18678	End	20605
Name	OJ000250_76.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	10853	End	11227
GI	none	Score	107
Exons	10853..11047, 11042..11227		

Seq. No.	28454	Seq. ID	OJ000250_76.0214.C6
Gene No.	58679	Strand	-
Start	18678	End	20605
Name	OJ000250_76.0214.C6.o5.np	Method	AAT/NAP
Start	18678	End	20605
GI	6630699	Score	78
Exons	18678..18774, 20369..20605		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58680	Strand	+
Start	4182	End	4443
Name	OJ000250_76.0214.C7.o3.gp	Method	AAT/GAP
Start	4182	End	4443
GI	none	Score	512
Exons	4182..4443		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58681	Strand	+
Start	5489	End	6124
Name	OJ000250_76.0214.C7.o3.gs	Method	GENSCAN
Start	5489	End	6124
GI	none	Score	.93
Exons	5489..6124		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58682	Strand	+
Start	9466	End	10003
Name	OJ000250_76.0214.C7.o4.gp	Method	AAT/GAP
Start	9466	End	10003
GI	none	Score	1022
Exons	9466..10003		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58683	Strand	+
Start	10296	End	10959
Name	OJ000250_76.0214.C7.o5.gp	Method	AAT/GAP
Start	10296	End	10959
GI	uC-osrocyp010b12b1	Score	831
Exons	10296..10480, 10672..10959		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58684	Strand	+
Start	13005	End	16000
Name	OJ000250_76.0214.C7.o1.np	Method	AAT/NAP

Start	13005	End	15991
GI	1724110	Score	1128
Exons	13005..13105, 14470..14583, 15021..15688, 15792..15991		
GI Descrip.	(U79770) cinnamyl-alcohol dehydrogenase Eli3 [Mesembryanthemum crystallinum]		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58684	Strand	+
Start	13005	End	16000
Name	OJ000250_76.0214.C7.o6.gs	Method	GENSCAN
Start	15003	End	16000
GI	none	Score	.9
Exons	15003..15087, 15164..15688, 15861..16000		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58685	Strand	-
Start	95	End	3997
Name	OJ000250_76.0214.C7.o1.gs	Method	GENSCAN
Start	95	End	3997
GI	none	Score	.67
Exons	95..249, 2547..2744, 2826..3060, 3184..3254, 3824..3997		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58685	Strand	-
Start	95	End	3997
Name	OJ000250_76.0214.C7.o1.gp	Method	AAT/GAP
Start	2305	End	2579
GI	3760533	Score	480
Exons	2305..2579		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58685	Strand	-
Start	95	End	3997
Name	OJ000250_76.0214.C7.o2.gp	Method	AAT/GAP
Start	2669	End	3925
GI	none	Score	977
Exons	2669..3060, 3184..3254, 3824..3925		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58686	Strand	-
Start	4689	End	5162
Name	OJ000250_76.0214.C7.o2.gs	Method	GENSCAN
Start	4689	End	5162
GI	none	Score	.87
Exons	4689..5162		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58687	Strand	-
Start	6527	End	7939
Name	OJ000250_76.0214.C7.o4.gs	Method	GENSCAN
Start	6527	End	7939
GI	none	Score	.51
Exons	6527..6559, 7319..7482, 7709..7793, 7850..7939		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58688	Strand	-
Start	11933	End	13096

Name	OJ000250_76.0214.C7.o5.gs	Method	GENSCAN
Start	11933	End	13096
GI	none	Score	.74
Exons	11933..12095, 12163..12191, 12324..12403, 12958..13096		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o3.tm	Method	TBLASTX:Maize
Start	2661	End	3261
GI	none	Score	41
Exons	2661..2753, 2813..3016, 2824..2937, 2826..3059, 2826..3077, 2827..3063, 3172..3261, 3184..3255		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o1.tc	Method	TBLASTX:Cress
Start	14461	End	16008
GI	none	Score	163
Exons	14461..14583, 14468..14584, 15021..15365, 15022..15684, 15280..15420, 15399..15692, 15790..16008, 15797..15985		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	14461	End	15991
GI	none	Score	208
Exons	14461..14583, 14465..14584, 15022..15684, 15022..15093, 15024..15680, 15487..15687, 15785..15991, 15793..15984		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	14467	End	15979
GI	none	Score	158
Exons	14467..14583, 14468..14584, 15021..15365, 15022..15702, 15399..15686, 15785..15979, 15808..15966		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	15178	End	15991
GI	none	Score	696
Exons	15178..15687, 15186..15365, 15259..15420, 15399..15686, 15784..15981, 15785..15991		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o2.tm	Method	TBLASTX:Maize
Start	17177	End	17529
GI	none	Score	88
Exons	17177..17254, 17261..17293, 17297..17347, 17343..17528,		

17347..17529

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o7.gs	Method	GENSCAN
Start	18632	End	24909
GI	none	Score	.68
Exons	18632..18750, 22029..22156, 22551..23014, 23239..24909		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o2.np	Method	AAT/NAP
Start	21813	End	24213
GI	6498436	Score	393
Exons	21813..21839, 23239..23363, 23460..23966, 24015..24213		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o3.np	Method	AAT/NAP
Start	24342	End	26827
GI	4689454	Score	167
Exons	24342..24665, 26791..26827		
GI Descrip.	(AC006267) putative polyprotein [Arabidopsis thaliana]		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o4.tm	Method	TBLASTX:Maize
Start	24349	End	24583
GI	none	Score	105
Exons	24349..24582, 24355..24555, 24449..24583		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o2.ts	Method	TBLASTX:Soybean
Start	24352	End	24771
GI	none	Score	78
Exons	24352..24510, 24502..24714, 24502..24771		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o2.tw	Method	TBLASTX:Wheat
Start	24359	End	24822
GI	none	Score	95
Exons	24359..24523, 24364..24543, 24382..24534, 24462..24548, 24547..24810, 24548..24661, 24553..24822		

Seq. No.	28455	Seq. ID	OJ000250_76.0214.C7
Gene No.	58689	Strand	-
Start	18632	End	27647
Name	OJ000250_76.0214.C7.o8.gs	Method	GENSCAN

Start	26282	End	27647
GI	none	Score	.56
Exons	26282..26496, 26781..26985, 27084..27118, 27569..27647		

Seq. No.	28456	Seq. ID	OJ000250_76.0214.C8
Gene No.	58690	Strand	+
Start	1401	End	1634
Name	OJ000250_76.0214.C8.o1.gs	Method	GENSCAN
Start	1401	End	1634
GI	none	Score	.56
Exons	1401..1634		

Seq. No.	28457	Seq. ID	OJ000250_76.0214.C11
Gene No.	58691	Strand	+
Start	116	End	280
Name	OJ000250_76.0214.C11.o1.gs	Method	GENSCAN
Start	116	End	280
GI	none	Score	.87
Exons	116..280		

Seq. No.	28457	Seq. ID	OJ000250_76.0214.C11
Gene No.	58692	Strand	+
Start	472	End	674
Name	OJ000250_76.0214.C11.o2.np	Method	AAT/NAP
Start	472	End	674
GI	5091512	Score	227
Exons	472..674		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	28457	Seq. ID	OJ000250_76.0214.C11
Gene No.	58693	Strand	-
Start	4	End	674
Name	OJ000250_76.0214.C11.o1.np	Method	AAT/NAP
Start	4	End	674
GI	595780	Score	130
Exons	4..408, 608..674		
GI Descrip.	(U13871) lacZ alpha peptide [Cloning vector]		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58694	Strand	+
Start	1	End	1626
Name	OJ000250_76.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	1605
GI	4680203	Score	975
Exons	1..1605		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58694	Strand	+
Start	1	End	1626
Name	OJ000250_76.0214.C14.o1.gs	Method	GENSCAN
Start	778	End	1626
GI	none	Score	.99
Exons	778..1626		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14

Gene No.	58695	Strand	+
Start	4628	End	11325
Name	OJ000250_76.0214.C14.o2.np	Method	AAT/NAP
Start	4244	End	7081
GI	4680204	Score	845
Exons	4244..5680, 5776..6354, 7058..7081		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58695	Strand	+
Start	4628	End	11325
Name	OJ000250_76.0214.C14.o3.np	Method	AAT/NAP
Start	4244	End	8696
GI	4680204	Score	843
Exons	4244..5680, 5776..6375, 8635..8696		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58695	Strand	+
Start	4628	End	11325
Name	OJ000250_76.0214.C14.o3.gs	Method	GENSCAN
Start	4628	End	7029
GI	none	Score	.55
Exons	4628..5680, 5776..6114, 6187..6733, 6842..7029		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58695	Strand	+
Start	4628	End	11325
Name	OJ000250_76.0214.C14.o4.gs	Method	GENSCAN
Start	8103	End	11325
GI	none	Score	.61
Exons	8103..8317, 10017..10175, 10619..10888, 11190..11325		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58696	Strand	+
Start	11490	End	18142
Name	OJ000250_76.0214.C14.o5.gs	Method	GENSCAN
Start	11490	End	18142
GI	none	Score	.61
Exons	11490..12066, 12190..12304, 12333..12459, 12497..12626, 12740..12929, 13951..14017, 15958..16188, 16935..17160, 18105..18142		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58697	Strand	-
Start	1245	End	1689
Name	OJ000250_76.0214.C14.o1.gp	Method	AAT/GAP
Start	1245	End	1689
GI	LIB3431-028-P1-N1-A10	Score	762
Exons	1245..1591, 1619..1689		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58698	Strand	-
Start	2737	End	3492
Name	OJ000250_76.0214.C14.o1.tw	Method	TBLASTX:Wheat

Start	645	End	1551
GI	none	Score	105
Exons	645..1136, 648..959, 658..1137, 700..1152, 1145..1186, 1146..1190, 1150..1191, 1194..1289, 1198..1257, 1236..1376, 1237..1377, 1305..1385, 1389..1442, 1390..1470, 1459..1551, 1485..1550		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58698	Strand	-
Start	2737	End	3492
Name	OJ000250_76.0214.C14.o2.gs	Method	GENSCAN
Start	2737	End	3492
GI	none	Score	1
Exons	2737..3492		

Seq. No.	28458	Seq. ID	OJ000250_76.0214.C14
Gene No.	58699	Strand	
Start	4889	End	5290
Name	OJ000250_76.0214.C14.o2.tw	Method	TBLASTX:Wheat
Start	4889	End	5290
GI	none	Score	209
Exons	4889..5125, 4889..5083, 4990..5130, 5120..5290, 5173..5289		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58700	Strand	+
Start	6864	End	7109
Name	OJ000250_76.0214.C15.o4.gs	Method	GENSCAN
Start	6864	End	7109
GI	none	Score	.91
Exons	6864..6938, 6996..7109		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58701	Strand	+
Start	12435	End	12552
Name	OJ000250_76.0214.C15.o3.np	Method	AAT/NAP
Start	12435	End	12552
GI	6721512	Score	69
Exons	12435..12552		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58702	Strand	+
Start	13383	End	14820
Name	OJ000250_76.0214.C15.o4.np	Method	AAT/NAP
Start	13383	End	14820
GI	6721558	Score	114
Exons	13383..13513, 14781..14820		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58702	Strand	+
Start	13383	End	14820
Name	OJ000250_76.0214.C15.o1.gp	Method	AAT/GAP
Start	14417	End	14798
GI	uC-osf1cyp033a04b1	Score	643

Exons	14417..14798		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58703	Strand	+
Start	17411	End	17528
Name	OJ000250_76.0214.C15.o7.np	Method	AAT/NAP
Start	17411	End	17528
GI	6721512	Score	82
Exons	17411..17528		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58704	Strand	+
Start	18828	End	19794
Name	OJ000250_76.0214.C15.o2.gp	Method	AAT/GAP
Start	18760	End	18975
GI	LIB3433-017-Q6-K1-B5	Score	354
Exons	18760..18975		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58704	Strand	+
Start	18828	End	19794
Name	OJ000250_76.0214.C15.o8.np	Method	AAT/NAP
Start	18807	End	19067
GI	1780757	Score	151
Exons	18807..19067		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi|6587807|gb|AAF18498.1|AC010924_11 (AC010924) Identical to gb|Y10291 GAG1 protein from Arabidopsis thaliana.		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58704	Strand	+
Start	18828	End	19794
Name	OJ000250_76.0214.C15.o8.gs	Method	GENSCAN
Start	18828	End	19794
GI	none	Score	.84
Exons	18828..18975, 19747..19794		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58705	Strand	-
Start	1	End	2337
Name	OJ000250_76.0214.C15.o1.np	Method	AAT/NAP
Start	1	End	875
GI	2664202	Score	81
Exons	1..19, 651..875		
GI Descrip.	(AJ003217) GT2 [Arabidopsis thaliana]		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58705	Strand	-
Start	1	End	2337
Name	OJ000250_76.0214.C15.o1.gs	Method	GENSCAN
Start	651	End	2337
GI	none	Score	.95

Exons	651..803, 849..894, 1246..1294, 2278..2337		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o2.np	Method	AAT/NAP
Start	3003	End	15234
GI	5091513	Score	1162
Exons	3003..3374, 3534..3662, 4393..5216, 6060..6434, 11570..11885, 15170..15234		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o2.gs	Method	GENSCAN
Start	3409	End	3570
GI	none	Score	.74
Exons	3409..3570		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o3.gs	Method	GENSCAN
Start	4028	End	6444
GI	none	Score	.76
Exons	4028..4477, 4536..4706, 4729..5302, 6033..6208, 6283..6444		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o5.gs	Method	GENSCAN
Start	7306	End	11830
GI	none	Score	.63
Exons	7306..7635, 8081..8191, 9394..9572, 9694..10520, 11274..11830		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o2.tm	Method	TBLASTX:Maize
Start	9635	End	10294
GI	none	Score	93
Exons	9635..9901, 9851..10039, 9905..10246, 9905..10144, 9911..10225, 9926..10273, 9935..10285, 10049..10294		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o1.tc	Method	TBLASTX:Cress
Start	9893	End	10291
GI	none	Score	75
Exons	9893..10150, 9896..10246, 9896..10075, 9912..10199, 9968..10168, 10156..10233, 10202..10291		
Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701

Name	OJ000250_76.0214.C15.o6.gs	Method	GENSCAN
Start	13846	End	16262
GI	none	Score	.68
Exons	13846..13952, 14397..14550, 15466..15701, 15944..16262		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o5.np	Method	AAT/NAP
Start	14345	End	19701
GI	4680186	Score	307
Exons	14345..14550, 15389..15440, 19059..19186, 19650..19701		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o6.np	Method	AAT/NAP
Start	14358	End	16622
GI	6721562	Score	412
Exons	14358..14393, 15502..16045, 16284..16622		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o1.tw	Method	TBLASTX:Wheat
Start	15505	End	15903
GI	none	Score	260
Exons	15505..15903		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o1.tm	Method	TBLASTX:Maize
Start	15667	End	15906
GI	none	Score	192
Exons	15667..15906		

Seq. No.	28459	Seq. ID	OJ000250_76.0214.C15
Gene No.	58706	Strand	-
Start	3409	End	19701
Name	OJ000250_76.0214.C15.o7.gs	Method	GENSCAN
Start	16789	End	17481
GI	none	Score	.97
Exons	16789..17481		

Seq. No.	28460	Seq. ID	OJ000250_76.0214.C16
Gene No.	58707	Strand	+
Start	1	End	702
Name	OJ000250_76.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	702
GI	6498436	Score	239

Exons	1..327, 594..702		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	28460	Seq. ID	OJ000250_76.0214.C16
Gene No.	58708	Strand	-
Start	539	End	644
Name	OJ000250_76.0214.C16.o1.gs	Method	GENSCAN
Start	539	End	644
GI	none	Score	.92
Exons	539..644		
Seq. No.	28461	Seq. ID	OJ000250_71.0214.C1
Gene No.	58709	Strand	-
Start	148	End	418
Name	OJ000250_71.0214.C1.o1.gs	Method	GENSCAN
Start	148	End	418
GI	none	Score	.55
Exons	148..232, 342..418		
Seq. No.	28462	Seq. ID	OJ000250_71.0214.C3
Gene No.	58710	Strand	+
Start	236	End	569
Name	OJ000250_71.0214.C3.o1.np	Method	AAT/NAP
Start	236	End	569
GI	5257279	Score	501
Exons	236..569		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	28463	Seq. ID	OJ000250_71.0214.C4
Gene No.	58711	Strand	+
Start	1	End	654
Name	OJ000250_71.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	654
GI	6498441	Score	714
Exons	1..654		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	28463	Seq. ID	OJ000250_71.0214.C4
Gene No.	58711	Strand	+
Start	1	End	654
Name	OJ000250_71.0214.C4.o1.gs	Method	GENSCAN
Start	204	End	554
GI	none	Score	.53
Exons	204..554		
Seq. No.	28463	Seq. ID	OJ000250_71.0214.C4
Gene No.	58711	Strand	+
Start	1	End	654
Name	OJ000250_71.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	344	End	604
GI	none	Score	268
Exons	344..604, 370..603		
Seq. No.	28464	Seq. ID	OJ000250_71.0214.C6

Gene No.	58712	Strand	-
Start	239	End	466
Name	OJ000250_71.0214.C6.o1.gs	Method	GENSCAN
Start	239	End	466
GI	none	Score	.94
Exons	239..257, 288..466		

Seq. No.	28465	Seq. ID	OJ000250_71.0214.C9
Gene No.	58713	Strand	+
Start	1	End	433
Name	OJ000250_71.0214.C9.o1.np	Method	AAT/NAP
Start	1	End	433
GI	4544372	Score	175
Exons	1..433		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28465	Seq. ID	OJ000250_71.0214.C9
Gene No.	58713	Strand	+
Start	1	End	433
Name	OJ000250_71.0214.C9.o1.gs	Method	GENSCAN
Start	32	End	339
GI	none	Score	.88
Exons	32..96, 117..339		

Seq. No.	28466	Seq. ID	OJ000250_71.0214.C10
Gene No.	58714	Strand	+
Start	155	End	374
Name	OJ000250_71.0214.C10.o1.gs	Method	GENSCAN
Start	155	End	374
GI	none	Score	.84
Exons	155..240, 283..374		

Seq. No.	28467	Seq. ID	OJ000250_71.0214.C11
Gene No.	58715	Strand	-
Start	63	End	311
Name	OJ000250_71.0214.C11.o1.np	Method	AAT/NAP
Start	63	End	311
GI	4680185	Score	233
Exons	63..311		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28467	Seq. ID	OJ000250_71.0214.C11
Gene No.	58715	Strand	-
Start	63	End	311
Name	OJ000250_71.0214.C11.o1.gs	Method	GENSCAN
Start	103	End	237
GI	none	Score	.98
Exons	103..237		

Seq. No.	28468	Seq. ID	OJ000250_71.0214.C12
Gene No.	58716	Strand	+
Start	8	End	543
Name	OJ000250_71.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	337
GI	none	Score	187
Exons	2..208, 3..200, 9..209, 11..208, 206..337, 211..336		

Seq. No.	28468	Seq. ID	OJ000250_71.0214.C12
Gene No.	58716	Strand	+
Start	8	End	543
Name	OJ000250_71.0214.C12.o1.gs	Method	GENSCAN
Start	8	End	485
GI	none	Score	.41
Exons	8..485		

Seq. No.	28468	Seq. ID	OJ000250_71.0214.C12
Gene No.	58716	Strand	+
Start	8	End	543
Name	OJ000250_71.0214.C12.o1.np	Method	AAT/NAP
Start	209	End	543
GI	3877646	Score	83
Exons	209..543		
GI Descrip.	(Z83230) similar to Leucine Rich Repeat (2 copies) (2 domains); cDNA EST yk417h6.5 comes from this gene; cDNA EST yk486h1.5 comes from this gene [Caenorhabditis elegans]		

Seq. No.	28469	Seq. ID	OJ000250_71.0214.C14
Gene No.	58717	Strand	+
Start	1	End	282
Name	OJ000250_71.0214.C14.o1.gp	Method	AAT/GAP
Start	1	End	217
GI	uC-osrocyp002b09b1	Score	415
Exons	1..217		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	28469	Seq. ID	OJ000250_71.0214.C14
Gene No.	58717	Strand	+
Start	1	End	282
Name	OJ000250_71.0214.C14.o1.gs	Method	GENSCAN
Start	75	End	282
GI	none	Score	.94
Exons	75..282		

Seq. No.	28469	Seq. ID	OJ000250_71.0214.C14
Gene No.	58718	Strand	-
Start	429	End	649
Name	OJ000250_71.0214.C14.o2.gp	Method	AAT/GAP
Start	429	End	649
GI	uC-osrocyp002b09a1	Score	254
Exons	429..649		
GI Descrip.	'4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]'		

Seq. No.	28470	Seq. ID	OJ000250_71.0214.C16
Gene No.	58719	Strand	+
Start	1	End	258
Name	OJ000250_71.0214.C16.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	57919_1.R1084	Score	420
Exons	1..258		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	28470	Seq. ID	OJ000250_71.0214.C16
Gene No.	58720	Strand	+
Start	489	End	651
Name	OJ000250_71.0214.C16.o1.gs	Method	GENSCAN
Start	489	End	651
GI	none	Score	.79
Exons	489..651		

Seq. No.	28471	Seq. ID	OJ000250_71.0214.C17
Gene No.	58721	Strand	-
Start	1	End	1418
Name	OJ000250_71.0214.C17.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	2213598	Score	126
Exons	1..423, 1382..1418		
GI Descrip.	(AC000348) T7N9.18 [Arabidopsis thaliana]		

Seq. No.	28471	Seq. ID	OJ000250_71.0214.C17
Gene No.	58721	Strand	-
Start	1	End	1418
Name	OJ000250_71.0214.C17.o1.gs	Method	GENSCAN
Start	62	End	650
GI	none	Score	.9
Exons	62..650		

Seq. No.	28471	Seq. ID	OJ000250_71.0214.C17
Gene No.	58721	Strand	-
Start	1	End	1418
Name	OJ000250_71.0214.C17.o1.gp	Method	AAT/GAP
Start	570	End	650
GI	uC-osflm202108g01b1	Score	135
Exons	570..650		
GI Descrip.	'2258315 6.0e-11 (AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]'		

Seq. No.	28472	Seq. ID	OJ000250_71.0214.C19
Gene No.	58722	Strand	-
Start	78	End	733
Name	OJ000250_71.0214.C19.o1.gs	Method	GENSCAN
Start	78	End	654
GI	none	Score	.41
Exons	78..654		

Seq. No.	28472	Seq. ID	OJ000250_71.0214.C19
Gene No.	58722	Strand	-
Start	78	End	733
Name	OJ000250_71.0214.C19.o1.np	Method	AAT/NAP
Start	92	End	733
GI	6498441	Score	797
Exons	92..371, 465..733		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28472	Seq. ID	OJ000250_71.0214.C19
Gene No.	58722	Strand	-

Start	78	End	733
Name	OJ000250_71.0214.C19.o1.tw	Method	TBLASTX:Wheat
Start	195	End	701
GI	none	Score	112
Exons	195..224, 255..326, 405..701,	418..561,	598..675

Seq. No.	28473	Seq. ID	OJ000250_71.0214.C21
Gene No.	58723	Strand	+
Start	146	End	398
Name	OJ000250_71.0214.C21.o1.gs	Method	GENSCAN
Start	146	End	398
GI	none	Score	.8
Exons	146..398		

Seq. No.	28474	Seq. ID	OJ000250_71.0214.C22
Gene No.	58724	Strand	+
Start	151	End	259
Name	OJ000250_71.0214.C22.o1.gs	Method	GENSCAN
Start	151	End	259
GI	none	Score	.6
Exons	151..259		

Seq. No.	28475	Seq. ID	OJ000250_71.0214.C24
Gene No.	58725	Strand	+
Start	1	End	395
Name	OJ000250_71.0214.C24.o1.np	Method	AAT/NAP
Start	1	End	395
GI	6539586	Score	572
Exons	1..395		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28475	Seq. ID	OJ000250_71.0214.C24
Gene No.	58725	Strand	+
Start	1	End	395
Name	OJ000250_71.0214.C24.o1.gs	Method	GENSCAN
Start	141	End	223
GI	none	Score	.53
Exons	141..223		

Seq. No.	28476	Seq. ID	OJ000250_71.0214.C25
Gene No.	58726	Strand	+
Start	1009	End	2405
Name	OJ000250_71.0214.C25.o1.gp	Method	AAT/GAP
Start	1009	End	1433
GI	2428508	Score	782
Exons	1009..1433		

Seq. No.	28476	Seq. ID	OJ000250_71.0214.C25
Gene No.	58726	Strand	+
Start	1009	End	2405
Name	OJ000250_71.0214.C25.o1.gs	Method	GENSCAN
Start	1063	End	2405
GI	none	Score	.97
Exons	1063..1156, 2305..2405		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58727	Strand	+

Start	525	End	964
Name	OJ000250_71.0214.C26.o1.gs	Method	GENSCAN
Start	525	End	964
GI	none	Score	.87
Exons	525..605, 830..964		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58728	Strand	+
Start	7688	End	13894
Name	OJ000250_71.0214.C26.o2.np	Method	AAT/NAP
Start	7688	End	10147
GI	4587596	Score	346
Exons	7688..7773, 8509..8652, 9802..9903, 9997..10147		
GI Descrip.	(AC006951) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58728	Strand	+
Start	7688	End	13894
Name	OJ000250_71.0214.C26.o3.gs	Method	GENSCAN
Start	8411	End	13894
GI	none	Score	.89
Exons	8411..8561, 8611..8657, 9995..10100, 10185..10402, 11191..11269, 12278..12390, 13122..13157, 13193..13419, 13678..13894		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58728	Strand	+
Start	7688	End	13894
Name	OJ000250_71.0214.C26.o3.np	Method	AAT/NAP
Start	8522	End	13729
GI	1552759	Score	229
Exons	8522..8652, 9802..9901, 9995..10118, 10218..10400, 10922..10962, 12151..12374, 13186..13463, 13659..13729		
GI Descrip.	(U70214) lipid A disaccharide synthase [Escherichia coli] gi|1786379 (AE000127) tetraacyldisaccharide-1-P; lipid A biosynthesis, penultimate step [Escherichia coli]		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58729	Strand	+
Start	15378	End	18973
Name	OJ000250_71.0214.C26.o5.gs	Method	GENSCAN
Start	15378	End	18973
GI	none	Score	.81
Exons	15378..15524, 15734..16089, 16312..16338, 17520..17718, 18164..18282, 18384..18460, 18616..18786, 18844..18973		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58730	Strand	-
Start	880	End	8112
Name	OJ000250_71.0214.C26.o1.np	Method	AAT/NAP
Start	880	End	8112
GI	3746071	Score	2061
Exons	880..960, 1691..1741, 2033..2116, 2194..2244, 2333..2419, 2656..2705, 2840..2913, 3066..3190, 3289..3343, 3613..3676, 3843..3966, 5092..5190, 5269..5394, 5530..5667, 6105..6277, 6357..6416, 6982..7132, 7235..7309, 7783..8112		
GI Descrip.	(AC005311) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58730	Strand	-
Start	880	End	8112
Name	OJ000250_71.0214.C26.o2.gs	Method	GENSCAN
Start	1781	End	8112
GI	none	Score	.79
Exons	1781..1795, 2033..2116, 2194..2244, 2333..2419, 2656..2705, 2840..2913, 3066..3190, 3289..3343, 3613..3676, 3843..3966, 5092..5190, 5269..5424, 5530..5667, 6105..6277, 6357..6425, 6982..7132, 7783..8112		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58730	Strand	-
Start	880	End	8112
Name	OJ000250_71.0214.C26.o1.gp	Method	AAT/GAP
Start	3914	End	5630
GI	2310237	Score	679
Exons	3914..3966, 5092..5190, 5269..5394, 5530..5630		
GI Descrip.	3746071 9.0e-43 (AC005311) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o2.tm	Method	TBLASTX:Maize
Start	781	End	3185
GI	none	Score	88
Exons	781..798, 829..897, 894..974, 895..978, 1689..1742, 1691..1741, 2652..2705, 2653..2706, 2657..2707, 2658..2732, 2839..2913, 2840..2914, 2841..2915, 2845..2916, 3033..3185, 3050..3184		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o1.tm	Method	TBLASTX:Maize
Start	2007	End	2414
GI	none	Score	135
Exons	2007..2111, 2020..2127, 2027..2119, 2030..2155, 2188..2268, 2192..2269, 2196..2270, 2333..2413, 2334..2414		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o4.tm	Method	TBLASTX:Maize
Start	3287	End	3982
GI	none	Score	68
Exons	3287..3343, 3289..3336, 3602..3676, 3610..3678, 3612..3677, 3840..3905, 3841..3978, 3841..3981, 3887..3982		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o1.ts	Method	TBLASTX:Soybean
Start	5098	End	6288
GI	none	Score	119
Exons	5098..5250, 5099..5182, 5266..5397, 5282..5395, 5528..5668, 5529..5669, 6093..6287, 6103..6288		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o5.tm	Method	TBLASTX:Maize
Start	5348	End	6155
GI	none	Score	66
Exons	5348..5395, 5348..5395, 5350..5397, 5520..5669, 5531..5668, 6093..6155, 6102..6152, 6103..6153		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o3.tm	Method	TBLASTX:Maize
Start	6156	End	7125
GI	none	Score	162
Exons	6156..6287, 6160..6288, 6356..6427, 6358..6432, 6359..6436, 6982..7053, 6983..7054, 6984..7064, 7072..7125		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o1.tc	Method	TBLASTX:Cress
Start	7777	End	7947
GI	none	Score	167
Exons	7777..7947, 7778..7927, 7792..7947		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o4.gs	Method	GENSCAN
Start	14186	End	14481
GI	none	Score	.57
Exons	14186..14236, 14326..14481		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o4.np	Method	AAT/NAP
Start	14278	End	15862
GI	2213783	Score	290
Exons	14278..14325, 15434..15631, 15707..15862		
GI Descrip.	(U89256) Pti5 [Lycopersicon esculentum]		

Seq. No.	28477	Seq. ID	OJ000250_71.0214.C26
Gene No.	58731	Strand	-
Start	14186	End	16107
Name	OJ000250_71.0214.C26.o2.gp	Method	AAT/GAP
Start	15748	End	16107
GI	LIB3433-061-P1-K1-C8	Score	623
Exons	15748..16107		
GI Descrip.	'4567311/gb|AAD23722.1|AC005956_11 7.0e-09 (AC005956) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58732	Strand	+
Start	50	End	5410

Name	OJ000250_71.0214.C27.o1.gs	Method	GENSCAN
Start	50	End	5410
GI	none	Score	.76
Exons	50..173, 244..366, 1022..1117, 1271..1489, 1580..1687, 3307..3473, 3579..3694, 3791..3854, 4349..4624, 5396..5410		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58732	Strand	+
Start	50	End	5410
Name	OJ000250_71.0214.C27.o1.gp	Method	AAT/GAP
Start	56	End	1416
GI	2427845	Score	575
Exons	56..173, 253..363, 1020..1118, 1331..1416		
GI Descrip.	4567311/gb|AAD23722.1|AC005956_11 7.0e-09 (AC005956) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58732	Strand	+
Start	50	End	5410
Name	OJ000250_71.0214.C27.o1.np	Method	AAT/NAP
Start	208	End	3032
GI	4567311	Score	287
Exons	208..366, 1022..1117, 1271..1347, 2986..3032		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58732	Strand	+
Start	50	End	5410
Name	OJ000250_71.0214.C27.o2.gp	Method	AAT/GAP
Start	3401	End	4937
GI	624_3.R1084	Score	1624
Exons	3401..3473, 3579..3694, 3791..3854, 4349..4937		
GI Descrip.	'3128228 3.0e-92 (AC004077) putative ribosomal protein L18A [Arabidopsis thaliana] >gi_3337376 (AC004481) putative ribosomal protein L18A [Arabidopsis thaliana]'		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58732	Strand	+
Start	50	End	5410
Name	OJ000250_71.0214.C27.o2.np	Method	AAT/NAP
Start	3564	End	4687
GI	3128228	Score	772
Exons	3564..3694, 3791..3854, 4349..4687		
GI Descrip.	(AC004077) 60S ribosomal protein L18A [Arabidopsis thaliana]		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58733	Strand	+
Start	7500	End	11121
Name	OJ000250_71.0214.C27.o3.gs	Method	GENSCAN
Start	7500	End	10973
GI	none	Score	.82
Exons	7500..7544, 7642..7725, 7823..7891, 8712..8795, 9104..9188, 9389..9474, 9630..9751, 9855..9915, 10191..10289, 10541..10642, 10863..10973		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58733	Strand	+

Start	7500	End	11121
Name	OJ000250_71.0214.C27.o3.np	Method	AAT/NAP
Start	7515	End	11121
GI	6692680	Score	881
Exons	7515..7725, 8342..8405, 8544..8617, 8712..8795, 9104..9188, 9389..9474, 9630..9751, 9855..9915, 10191..10289, 10541..10642, 10743..10784, 10863..10969, 11076..11121		
GI Descrip.	(AC007592) F12K11.12 [Arabidopsis thaliana]		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58733	Strand	+
Start	7500	End	11121
Name	OJ000250_71.0214.C27.o3.gp	Method	AAT/GAP
Start	9372	End	9892
GI	none	Score	1007
Exons	9372..9892		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58734	Strand	+
Start	18486	End	22266
Name	OJ000250_71.0214.C27.o6.gs	Method	GENSCAN
Start	18486	End	22266
GI	none	Score	.75
Exons	18486..18555, 18609..18746, 19582..19763, 19856..19962, 21086..21139, 22104..22266		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58734	Strand	+
Start	18486	End	22266
Name	OJ000250_71.0214.C27.o6.np	Method	AAT/NAP
Start	20344	End	21436
GI	4680186	Score	364
Exons	20344..20398, 21236..21436		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58735	Strand	-
Start	6183	End	6433
Name	OJ000250_71.0214.C27.o2.gs	Method	GENSCAN
Start	6183	End	6433
GI	none	Score	.98
Exons	6183..6316, 6400..6433		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58736	Strand	-
Start	11409	End	13430
Name	OJ000250_71.0214.C27.o4.gs	Method	GENSCAN
Start	11409	End	13430
GI	none	Score	.88
Exons	11409..11646, 11773..11798, 11838..11996, 12579..13430		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58737	Strand	-
Start	13889	End	17438
Name	OJ000250_71.0214.C27.o5.gs	Method	GENSCAN
Start	13889	End	17089
GI	none	Score	.63

Exons	13889..14139, 14751..14792, 16173..16227, 17087..17089		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58737	Strand	-
Start	13889	End	17438
Name	OJ000250_71.0214.C27.o4.np	Method	AAT/NAP
Start	14639	End	17438
GI	5091523	Score	391
Exons	14639..14714, 15404..15688, 15805..16227, 17403..17438		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58738	Strand	-
Start	19458	End	19896
Name	OJ000250_71.0214.C27.o5.np	Method	AAT/NAP
Start	19458	End	19896
GI	4680185	Score	480
Exons	19458..19896		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o4.tm	Method	TBLASTX:Maize
Start	46	End	1086
GI	none	Score	195
Exons	46..168, 251..355, 252..368, 252..365, 1017..1079, 1018..1086		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o1.tc	Method	TBLASTX:Cress
Start	3518	End	4696
GI	none	Score	184
Exons	3518..3697, 3576..3695, 3632..3697, 3779..3850, 3779..3853, 3792..3872, 3840..3875, 4332..4493, 4346..4696, 4348..4689		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o1.tm	Method	TBLASTX:Maize
Start	3569	End	4695
GI	none	Score	210
Exons	3569..3697, 3570..3695, 3632..3697, 3785..3853, 3791..3853, 3792..3872, 4346..4690, 4346..4690, 4347..4691, 4348..4695, 4363..4692		
Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o1.tw	Method	TBLASTX:Wheat
Start	3569	End	4492
GI	none	Score	202
Exons	3569..3697, 3570..3695, 3635..3697, 3785..3853, 3791..3853, 3792..3872, 4332..4490, 4346..4492, 4346..4489, 4348..4491		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o1.ts	Method	TBLASTX:Soybean
Start	3569	End	4698
GI	none	Score	206
Exons	3569..3697, 3570..3695, 3579..3707, 3638..3697, 3779..3853, 3792..3872, 4346..4690, 4346..4690, 4348..4698, 4348..4695		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o2.tm	Method	TBLASTX:Maize
Start	7633	End	10244
GI	none	Score	121
Exons	7633..7728, 7639..7740, 7641..7736, 7823..7891, 7823..7891, 7824..7892, 8303..8401, 8317..8400, 8340..8405, 8341..8403, 8540..8620, 8543..8620, 8545..8646, 8572..8640, 8711..8800, 8712..8795, 8716..8811, 9104..9196, 9109..9198, 9382..9474, 9384..9473, 9391..9477, 9634..9669, 9666..9752, 9669..9761, 9841..9915, 9852..9917, 10190..10243, 10191..10244		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o3.tm	Method	TBLASTX:Maize
Start	10735	End	11133
GI	none	Score	74
Exons	10735..10782, 10737..10784, 10740..10784, 10854..10970, 10861..10971, 10862..10975, 11006..11110, 11071..11121, 11071..11133		

Seq. No.	28478	Seq. ID	OJ000250_71.0214.C27
Gene No.	58739	Strand	-
Start	20988	End	21369
Name	OJ000250_71.0214.C27.o4.gp	Method	AAT/GAP
Start	20988	End	21369
GI	uC-osflcyp033a04b1	Score	659
Exons	20988..21369		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58740	Strand	+
Start	926	End	1307
Name	OJ000250_71.0214.C28.o1.gp	Method	AAT/GAP
Start	926	End	1307
GI	uC-osflcyp033a04b1	Score	635
Exons	926..1307		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58741	Strand	+
Start	1215	End	7793
Name	OJ000250_71.0214.C28.o1.gs	Method	GENSCAN
Start	1215	End	7763

GI	none	Score	.57
Exons	1215..1259, 2055..2777, 3051..3629, 3639..3732, 3763..4681, 5662..5695, 5890..6096, 6393..6699, 7033..7763		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58741	Strand	+
Start	1215	End	7793
Name	OJ000250_71.0214.C28.o3.np	Method	AAT/NAP
Start	6660	End	7793
GI	629693	Score	565
Exons	6660..7793		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58742	Strand	-
Start	859	End	5908
Name	OJ000250_71.0214.C28.o1.np	Method	AAT/NAP
Start	859	End	5908
GI	4680186	Score	366
Exons	859..1059, 1898..1951, 5852..5908		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58743	Strand	-
Start	8116	End	11338
Name	OJ000250_71.0214.C28.o2.gs	Method	GENSCAN
Start	8116	End	11338
GI	none	Score	.74
Exons	8116..8799, 8878..8961, 9192..9632, 9916..11175, 11288..11338		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o6.ts	Method	TBLASTX:Soybean
Start	4299	End	4637
GI	none	Score	188
Exons	4299..4637		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o5.ts	Method	TBLASTX:Soybean
Start	5316	End	5748
GI	none	Score	157
Exons	5316..5453, 5341..5559, 5560..5748, 5604..5735		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o2.tm	Method	TBLASTX:Maize
Start	5344	End	5592
GI	none	Score	259
Exons	5344..5592, 5346..5591		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-

Start	16521	End	16916
Name	OJ000250_71.0214.C28.o2.ts	Method	TBLASTX:Soybean
Start	5899	End	6311
GI	none	Score	146
Exons	5899..6036, 5901..6032, 6057..6311, 6058..6309		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o2.tw	Method	TBLASTX:Wheat
Start	5947	End	6354
GI	none	Score	76
Exons	5947..6033, 6073..6354, 6084..6149, 6171..6320		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o3.tm	Method	TBLASTX:Maize
Start	6528	End	6905
GI	none	Score	212
Exons	6528..6905		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o3.tw	Method	TBLASTX:Wheat
Start	6741	End	7118
GI	none	Score	124
Exons	6741..6905, 6942..7034, 7047..7118		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o3.ts	Method	TBLASTX:Soybean
Start	6759	End	7160
GI	none	Score	242
Exons	6759..7160, 6866..6982		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o1.tw	Method	TBLASTX:Wheat
Start	7320	End	7727
GI	none	Score	218
Exons	7320..7727, 7328..7672		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o4.ts	Method	TBLASTX:Soybean
Start	7503	End	7753
GI	none	Score	242
Exons	7503..7748, 7505..7642, 7715..7753		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916

Name	OJ000250_71.0214.C28.o1.ts	Method	TBLASTX:Soybean
Start	14286	End	16268
GI	none	Score	104
Exons	14286..14378, 15744..16103, 15761..16261, 15762..16268, 16167..16268		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o1.tc	Method	TBLASTX:Cress
Start	15721	End	16004
GI	none	Score	359
Exons	15721..15957, 15758..16003, 15759..16004		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o1.tm	Method	TBLASTX:Maize
Start	15909	End	16175
GI	none	Score	302
Exons	15909..16175, 15914..16174		

Seq. No.	28479	Seq. ID	OJ000250_71.0214.C28
Gene No.	58744	Strand	-
Start	16521	End	16916
Name	OJ000250_71.0214.C28.o2.gp	Method	AAT/GAP
Start	16521	End	16916
GI	none	Score	764
Exons	16521..16916		

Seq. No.	28480	Seq. ID	OJ000250_71.0214.C29
Gene No.	58745	Strand	+
Start	2524	End	2617
Name	OJ000250_71.0214.C29.o1.gp	Method	AAT/GAP
Start	2524	End	2617
GI	69953_1.R1084	Score	95
Exons	2524..2617		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	28480	Seq. ID	OJ000250_71.0214.C29
Gene No.	58746	Strand	-
Start	1624	End	2076
Name	OJ000250_71.0214.C29.o1.gs	Method	GENSCAN
Start	1624	End	2076
GI	none	Score	.91
Exons	1624..1768, 1868..2076		

Seq. No.	28480	Seq. ID	OJ000250_71.0214.C29
Gene No.	58747	Strand	-
Start	3494	End	6519
Name	OJ000250_71.0214.C29.o2.gs	Method	GENSCAN
Start	3494	End	6518
GI	none	Score	.71
Exons	3494..3661, 4253..4416, 5205..5280, 5378..5451, 6458..6518		

Seq. No.	28480	Seq. ID	OJ000250_71.0214.C29

Gene No.	58747	Strand	-
Start	3494	End	6519
Name	OJ000250_71.0214.C29.o2.gp	Method	AAT/GAP
Start	3719	End	5267
GI	17122_1.R1084	Score	1240
Exons	3719..4158, 4253..4416, 5205..5267		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28480	Seq. ID	OJ000250_71.0214.C29
Gene No.	58747	Strand	-
Start	3494	End	6519
Name	OJ000250_71.0214.C29.o1.tm	Method	TBLASTX:Maize
Start	4255	End	6519
GI	none	Score	90
Exons	4255..4401, 4256..4423, 4260..4415, 5206..5274, 5212..5280, 5220..5282, 5363..5452, 5376..5453, 6093..6170, 6101..6169, 6103..6177, 6455..6517, 6456..6518, 6460..6519		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58748	Strand	+
Start	5347	End	5428
Name	OJ000250_71.0214.C30.o1.gp	Method	AAT/GAP
Start	5347	End	5428
GI	5867_1.R1084	Score	114
Exons	5347..5428		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58749	Strand	+
Start	8834	End	9263
Name	OJ000250_71.0214.C30.o2.gp	Method	AAT/GAP
Start	8834	End	9263
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	8834..8919, 9239..9263		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58750	Strand	+
Start	10737	End	12081
Name	OJ000250_71.0214.C30.o3.np	Method	AAT/NAP
Start	10737	End	12081
GI	6630699	Score	95
Exons	10737..10759, 12003..12081		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30

Gene No.	58751	Strand	+
Start	12217	End	12647
Name	OJ000250_71.0214.C30.o1.np	Method	AAT/NAP
Start	12217	End	12647
GI	6539570	Score	104
Exons	12217..12411, 12574..12647		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58751	Strand	+
Start	12217	End	12647
Name	OJ000250_71.0214.C30.o4.np	Method	AAT/NAP
Start	12217	End	12640
GI	6539570	Score	108
Exons	12217..12411, 12574..12640		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58752	Strand	-
Start	8	End	4010
Name	OJ000250_71.0214.C30.o1.gs	Method	GENSCAN
Start	8	End	4010
GI	none	Score	.46
Exons	8..127, 2461..2494, 3357..3407, 3894..4010		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58753	Strand	-
Start	5779	End	7175
Name	OJ000250_71.0214.C30.o2.gs	Method	GENSCAN
Start	5779	End	7175
GI	none	Score	.73
Exons	5779..6228, 6266..6935, 6958..7175		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58754	Strand	-
Start	8384	End	13045
Name	OJ000250_71.0214.C30.o2.np	Method	AAT/NAP
Start	8384	End	11943
GI	5922620	Score	320
Exons	8384..8411, 10371..10576, 10753..10823, 11688..11712, 11758..11871, 11911..11943		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28481	Seq. ID	OJ000250_71.0214.C30
Gene No.	58754	Strand	-
Start	8384	End	13045
Name	OJ000250_71.0214.C30.o3.gs	Method	GENSCAN
Start	9651	End	13045
GI	none	Score	.55
Exons	9651..9838, 10390..10474, 11219..11382, 11688..11712, 11758..11889, 12935..13045		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31

Gene No.	58755	Strand	+
Start	11934	End	12673
Name	OJ000250_71.0214.C31.o1.gp	Method	AAT/GAP
Start	11934	End	12673
GI	3860_1.R1084	Score	1137
Exons	11934..12230, 12336..12673		
GI Descrip.	'4582445/gb|AAD24829.1|AC007071_1 4.0e-24 (AC007071) unknown protein [Arabidopsis thaliana] >gi_4589952_gb_AAD26470.1_AC007169_2 (AC007169) unknown protein [Arabidopsis thaliana]'		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58755	Strand	+
Start	11934	End	12673
Name	OJ000250_71.0214.C31.o2.np	Method	AAT/NAP
Start	12063	End	12380
GI	4582445	Score	279
Exons	12063..12230, 12336..12380		
GI Descrip.	(AC007071) unknown protein [Arabidopsis thaliana]		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58756	Strand	-
Start	4027	End	5078
Name	OJ000250_71.0214.C31.o1.np	Method	AAT/NAP
Start	4027	End	5078
GI	6815053	Score	721
Exons	4027..4264, 4314..4469, 4912..5078		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58757	Strand	-
Start	11775	End	12452
Name	OJ000250_71.0214.C31.o2.gs	Method	GENSCAN
Start	11775	End	12452
GI	none	Score	.52
Exons	11775..12274, 12299..12452		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58758	Strand	-
Start	14705	End	20475
Name	OJ000250_71.0214.C31.o1.tm	Method	TBLASTX:Maize
Start	12080	End	12396
GI	none	Score	266
Exons	12080..12256, 12081..12230, 12323..12388, 12336..12383, 12337..12396		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58758	Strand	-
Start	14705	End	20475
Name	OJ000250_71.0214.C31.o1.tw	Method	TBLASTX:Wheat
Start	12080	End	12471
GI	none	Score	242
Exons	12080..12256, 12081..12230, 12307..12408, 12323..12409, 12325..12408, 12336..12431, 12338..12412, 12391..12471, 12408..12467, 12418..12471		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31

Gene No.	58758	Strand	-
Start	14705	End	20475
Name	OJ000250_71.0214.C31.o1.tc	Method	TBLASTX:Cress
Start	12084	End	12383
GI	none	Score	197
Exons	12084..12230, 12086..12247, 12336..12383, 12338..12379		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58758	Strand	-
Start	14705	End	20475
Name	OJ000250_71.0214.C31.o1.ts	Method	TBLASTX:Soybean
Start	12084	End	12385
GI	none	Score	217
Exons	12084..12230, 12086..12247, 12323..12385, 12336..12383		

Seq. No.	28482	Seq. ID	OJ000250_71.0214.C31
Gene No.	58758	Strand	-
Start	14705	End	20475
Name	OJ000250_71.0214.C31.o3.gs	Method	GENSCAN
Start	14705	End	20475
GI	none	Score	.75
Exons	14705..14824, 15191..15257, 15402..16263, 16482..16625, 20424..20475		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58759	Strand	+
Start	59	End	1251
Name	OJ000250_71.0214.C32.o1.gs	Method	GENSCAN
Start	59	End	1251
GI	none	Score	.63
Exons	59..236, 238..336, 399..547, 780..886, 1245..1251		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58760	Strand	+
Start	2853	End	14446
Name	OJ000250_71.0214.C32.o2.gs	Method	GENSCAN
Start	2853	End	14002
GI	none	Score	.52
Exons	2853..2904, 3200..3291, 3396..3539, 3575..3768, 3803..3972, 3995..4059, 4096..4270, 4453..4917, 5004..5090, 5292..5422, 5443..5519, 5640..5787, 5877..5999, 6163..6519, 8283..8352, 8588..8696, 8777..8819, 9203..9373, 9671..9728, 9771..9982, 10079..10876, 10940..13177, 13250..14002		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58760	Strand	+
Start	2853	End	14446
Name	OJ000250_71.0214.C32.o1.gp	Method	AAT/GAP
Start	3330	End	3783
GI	none	Score	860
Exons	3330..3783		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58760	Strand	+
Start	2853	End	14446
Name	OJ000250_71.0214.C32.o1.np	Method	AAT/NAP
Start	3417	End	6435

GI	3641836	Score	1013
Exons	3417..4178, 4545..4921, 5008..5106, 5275..5362, 5443..5519, 5640..5787, 5877..6071, 6163..6435		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58760	Strand	+
Start	2853	End	14446
Name	OJ000250_71.0214.C32.o2.np	Method	AAT/NAP
Start	8308	End	14446
GI	6498441	Score	6379
Exons	8308..8684, 9382..10082, 10413..10876, 10940..11313, 11497..11631, 11806..12526, 12698..14071, 14165..14446		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o1.tc	Method	TBLASTX:Cress
Start	4623	End	5095
GI	none	Score	103
Exons	4623..4718, 4623..4721, 4630..4722, 4709..4744, 4721..4927, 4722..4925, 4951..5091, 5000..5095		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o1.ts	Method	TBLASTX:Soybean
Start	4623	End	6044
GI	none	Score	93
Exons	4623..4712, 4670..4711, 4721..4918, 4722..4922, 5003..5107, 5294..5398, 5415..5525, 5440..5520, 5505..5522, 5631..5753, 5641..5805, 5868..6044		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o8.tw	Method	TBLASTX:Wheat
Start	4680	End	5107
GI	none	Score	35
Exons	4680..4712, 4721..4912, 4722..4922, 5021..5107		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o1.tm	Method	TBLASTX:Maize
Start	4734	End	5981
GI	none	Score	295
Exons	4734..4919, 4736..4945, 5002..5091, 5003..5092, 5042..5101, 5291..5362, 5292..5363, 5294..5365, 5378..5515, 5437..5517, 5438..5518, 5440..5520, 5442..5522, 5625..5792, 5637..5789, 5641..5799, 5868..5981		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32

Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o2.tc	Method	TBLASTX:Cress
Start	5294	End	5730
GI	none	Score	96
Exons	5294..5365, 5440..5520, 5442..5522, 5625..5729, 5641..5730		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o9.tw	Method	TBLASTX:Wheat
Start	5442	End	5933
GI	none	Score	78
Exons	5442..5525, 5443..5520, 5641..5700, 5701..5805, 5868..5933		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o3.tw	Method	TBLASTX:Wheat
Start	10297	End	10783
GI	none	Score	403
Exons	10297..10470, 10298..10783, 10298..10756, 10492..10779		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o1.tw	Method	TBLASTX:Wheat
Start	10947	End	11410
GI	none	Score	101
Exons	10947..11168, 10948..11403, 10949..11410, 10949..11404		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o4.ts	Method	TBLASTX:Soybean
Start	10988	End	11353
GI	none	Score	117
Exons	10988..11212, 11219..11353		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o2.tm	Method	TBLASTX:Maize
Start	11078	End	11434
GI	none	Score	392
Exons	11078..11434, 11113..11424, 11318..11434		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o4.tm	Method	TBLASTX:Maize
Start	11461	End	11845
GI	none	Score	357
Exons	11461..11826, 11462..11845		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-

Start	15071	End	19115
Name	OJ000250_71.0214.C32.o2.tw	Method	TBLASTX:Wheat
Start	11518	End	11943
GI	none	Score	486
Exons	11518..11943, 11519..11941		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o2.ts	Method	TBLASTX:Soybean
Start	11597	End	11968
GI	none	Score	270
Exons	11597..11968, 11614..11757		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o5.tw	Method	TBLASTX:Wheat
Start	12374	End	12832
GI	none	Score	237
Exons	12374..12628, 12398..12649, 12463..12648, 12683..12832, 12695..12829		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o3.ts	Method	TBLASTX:Soybean
Start	12521	End	13087
GI	5666795	Score	68
Exons	12521..12619, 12695..12832, 12848..13087		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o7.tw	Method	TBLASTX:Wheat
Start	12835	End	13147
GI	none	Score	234
Exons	12835..13011, 12836..13147		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o3.tm	Method	TBLASTX:Maize
Start	13316	End	13659
GI	none	Score	358
Exons	13316..13639, 13345..13626, 13543..13659		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o4.tw	Method	TBLASTX:Wheat
Start	13453	End	13834
GI	none	Score	363
Exons	13453..13530, 13454..13834, 13457..13795, 13555..13803		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32

Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o6.tw	Method	TBLASTX:Wheat
Start	13835	End	14437
GI	none	Score	249
Exons	13835..14119, 13840..13932, 13975..14118, 14311..14433, 14312..14437		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o4.gs	Method	GENSCAN
Start	15071	End	19115
GI	none	Score	.76
Exons	15071..15731, 15760..16932, 17036..17179, 17402..18101, 18168..18316, 18794..18855, 18987..19115		

Seq. No.	28483	Seq. ID	OJ000250_71.0214.C32
Gene No.	58761	Strand	-
Start	15071	End	19115
Name	OJ000250_71.0214.C32.o3.np	Method	AAT/NAP
Start	15074	End	18297
GI	6907089	Score	4360
Exons	15074..16932, 17036..18297		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58762	Strand	+
Start	99	End	159
Name	OJ000250_71.0214.C33.o1.np	Method	AAT/NAP
Start	99	End	159
GI	5042454	Score	74
Exons	99..159		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58763	Strand	+
Start	106	End	6894
Name	OJ000250_71.0214.C33.o1.gs	Method	GENSCAN
Start	106	End	6894
GI	none	Score	.61
Exons	106..276, 3115..3398, 4009..4136, 4742..4845, 6484..6571, 6680..6894		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58763	Strand	+
Start	106	End	6894
Name	OJ000250_71.0214.C33.o1.gp	Method	AAT/GAP
Start	2976	End	4126
GI	uC-osroM202004g12b1	Score	789
Exons	2976..3293, 4009..4126		
GI Descrip.	'4008441/emb|CAA22448.1| 5.0e-20 (AL034488) predicted using Genefinder; cDNA EST yk433c6.3 comes from this gene; cDNA EST EMBL:D72601 comes from this gene; cDNA EST EMBL:D75524 comes from this gene; cDNA EST yk433c6.5 comes from this gene [Caenorhabditis ele'		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58763	Strand	+
Start	106	End	6894
Name	OJ000250_71.0214.C33.o2.np	Method	AAT/NAP
Start	3181	End	6876
GI	4008441	Score	366
Exons	3181..3293, 4009..4136, 4742..4845, 6484..6571, 6680..6876		
GI Descrip.	(AL034488) predicted using Genefinder; cDNA EST yk433c6.3 comes from this gene; cDNA EST EMBL:D72601 comes from this gene; cDNA EST EMBL:D75524 comes from this gene; cDNA EST yk433c6.5 comes from this gene [Caenorhabditis ele...		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58764	Strand	-
Start	5623	End	6927
Name	OJ000250_71.0214.C33.o1.tc	Method	TBLASTX:Cress
Start	3160	End	6927
GI	none	Score	191
Exons	3160..3297, 3174..3293, 3974..4135, 4003..4140, 4004..4138, 4731..4847, 4740..4847, 4741..4848, 6483..6566, 6484..6579, 6784..6927		

Seq. No.	28484	Seq. ID	OJ000250_71.0214.C33
Gene No.	58764	Strand	-
Start	5623	End	6927
Name	OJ000250_71.0214.C33.o2.gp	Method	AAT/GAP
Start	5623	End	6119
GI	uC-osroM202004g12a2	Score	977
Exons	5623..6119		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58765	Strand	+
Start	224	End	6621
Name	OJ000250_71.0214.C34.o1.gs	Method	GENSCAN
Start	224	End	6621
GI	none	Score	.47
Exons	224..430, 487..2978, 3017..4885, 4929..6621		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58765	Strand	+
Start	224	End	6621
Name	OJ000250_71.0214.C34.o1.np	Method	AAT/NAP
Start	1010	End	6618
GI	6498441	Score	6844
Exons	1010..2074, 2405..2868, 2895..3268, 3452..3586, 3761..4101, 4294..4676, 4846..6243, 6337..6618		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58766	Strand	+
Start	6780	End	7242
Name	OJ000250_71.0214.C34.o1.gp	Method	AAT/GAP
Start	6780	End	7242

GI	2428323	Score	843
Exons	6780..7242		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58767	Strand	-
Start	7250	End	10505
Name	OJ000250_71.0214.C34.o2.gs	Method	GENSCAN
Start	7250	End	10505
GI	none	Score	.99
Exons	7250..9152, 9244..10505		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58767	Strand	-
Start	7250	End	10505
Name	OJ000250_71.0214.C34.o2.np	Method	AAT/NAP
Start	7253	End	10505
GI	5803259	Score	5155
Exons	7253..9152, 9244..10505		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o6.tw	Method	TBLASTX:Wheat
Start	999	End	1551
GI	none	Score	34
Exons	999..1034, 1159..1206, 1213..1311, 1218..1310, 1278..1517, 1294..1551		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o4.tm	Method	TBLASTX:Maize
Start	1164	End	1449
GI	none	Score	202
Exons	1164..1448, 1201..1449		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o3.tw	Method	TBLASTX:Wheat
Start	2289	End	2778
GI	none	Score	408
Exons	2289..2462, 2290..2778, 2484..2777		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o1.tw	Method	TBLASTX:Wheat
Start	2903	End	3365
GI	none	Score	578
Exons	2903..3358, 2904..3365, 2904..3359		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-

Start	10886	End	11001
Name	OJ000250_71.0214.C34.o3.ts	Method	TBLASTX:Soybean
Start	2943	End	3308
GI	none	Score	117
Exons	2943..3167, 3174..3308		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o1.tm	Method	TBLASTX:Maize
Start	3033	End	3389
GI	none	Score	383
Exons	3033..3389, 3068..3379, 3084..3389		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o3.tm	Method	TBLASTX:Maize
Start	3416	End	3800
GI	none	Score	353
Exons	3416..3781, 3417..3800		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o2.tw	Method	TBLASTX:Wheat
Start	3473	End	8004
GI	none	Score	482
Exons	3473..3886, 3474..3893, 7906..8004		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o1.ts	Method	TBLASTX:Soybean
Start	3552	End	3923
GI	none	Score	278
Exons	3552..3923, 3569..3712		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o5.tw	Method	TBLASTX:Wheat
Start	4548	End	4980
GI	none	Score	236
Exons	4548..4799, 4548..4745, 4613..4789, 4840..4980, 4840..4977, 4842..4979		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o2.ts	Method	TBLASTX:Soybean
Start	4671	End	5235
GI	5666795	Score	68
Exons	4671..4769, 4843..4980, 5029..5235		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34

Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o8.tw	Method	TBLASTX:Wheat
Start	4983	End	5295
GI	none	Score	199
Exons	4983..5159, 5020..5295		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o2.tm	Method	TBLASTX:Maize
Start	5497	End	5811
GI	none	Score	356
Exons	5497..5811, 5517..5798		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o4.tw	Method	TBLASTX:Wheat
Start	5625	End	6006
GI	none	Score	365
Exons	5625..5681, 5626..6006, 5727..5975		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o7.tw	Method	TBLASTX:Wheat
Start	6007	End	6609
GI	none	Score	257
Exons	6007..6303, 6011..6082, 6012..6110, 6147..6290, 6483..6605, 6484..6609		

Seq. No.	28485	Seq. ID	OJ000250_71.0214.C34
Gene No.	58768	Strand	-
Start	10886	End	11001
Name	OJ000250_71.0214.C34.o3.gs	Method	GENSCAN
Start	10886	End	11001
GI	none	Score	.54
Exons	10886..11001		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58769	Strand	+
Start	1	End	9767
Name	OJ000250_71.0214.C35.o2.np	Method	AAT/NAP
Start	1	End	6619
GI	6069646	Score	366
Exons	1..32, 4579..5532, 6577..6619		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58769	Strand	+
Start	1	End	9767
Name	OJ000250_71.0214.C35.o1.gs	Method	GENSCAN

Start	331	End	3532
GI	none	Score	.77
Exons	331..417, 654..824, 1158..1380, 1594..1907, 1958..2117, 2263..2386, 2430..2553, 3305..3532		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58769	Strand	+
Start	1	End	9767
Name	OJ000250_71.0214.C35.o2.gs	Method	GENSCAN
Start	5014	End	9767
GI	none	Score	.76
Exons	5014..5281, 6154..7624, 8763..8868, 8993..9115, 9660..9767		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58769	Strand	+
Start	1	End	9767
Name	OJ000250_71.0214.C35.o3.np	Method	AAT/NAP
Start	6268	End	7625
GI	4539395	Score	815
Exons	6268..6400, 6445..7625		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58770	Strand	-
Start	1	End	857
Name	OJ000250_71.0214.C35.o1.np	Method	AAT/NAP
Start	1	End	857
GI	5922623	Score	233
Exons	1..76, 244..396, 773..857		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o3.tm	Method	TBLASTX:Maize
Start	2789	End	5557
GI	none	Score	96
Exons	2789..2893, 2821..2889, 2903..3031, 2908..3009, 4994..5320, 5035..5184, 5324..5557		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o3.tw	Method	TBLASTX:Wheat
Start	2804	End	5149
GI	none	Score	66
Exons	2804..2881, 2897..2962, 4769..5149		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o5.tw	Method	TBLASTX:Wheat
Start	4277	End	4607
GI	none	Score	140
Exons	4277..4462, 4451..4576, 4513..4605, 4518..4607		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o5.tm	Method	TBLASTX:Maize
Start	4297	End	4656
GI	none	Score	221
Exons	4297..4656, 4298..4582		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o4.tm	Method	TBLASTX:Maize
Start	6927	End	7346
GI	none	Score	230
Exons	6927..7346, 6936..7292, 6951..7274, 6960..7295, 6969..7322		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o2.tc	Method	TBLASTX:Cress
Start	6936	End	7346
GI	none	Score	66
Exons	6936..7016, 6957..7223, 6957..7085, 6969..7316, 7023..7346		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o3.ts	Method	TBLASTX:Soybean
Start	6954	End	7379
GI	none	Score	93
Exons	6954..7133, 6957..7202, 6972..7274, 7044..7379		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o6.tw	Method	TBLASTX:Wheat
Start	6960	End	7346
GI	none	Score	197
Exons	6960..7223, 7104..7346		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o1.tm	Method	TBLASTX:Maize
Start	11024	End	12856
GI	none	Score	50
Exons	11024..11083, 11185..11211, 11242..11832, 11243..11833, 11615..11833, 11895..12278, 11923..12279, 11926..12279, 11945..12283, 12035..12280, 12367..12591, 12371..12532, 12650..12715, 12651..12785, 12651..12788, 12763..12855, 12785..12856, 12828..12854		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o3.gs	Method	GENSCAN

Start	11248	End	13427
GI	none	Score	.96
Exons	11248..11832, 11925..12278, 12370..12569, 12652..12742, 12978..13190, 13302..13427		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o4.np	Method	AAT/NAP
Start	11251	End	13503
GI	1706956	Score	2514
Exons	11251..11832, 11925..12278, 12370..12569, 12652..12898, 12978..13190, 13302..13503		
GI Descrip.	(U58283) cellulose synthase [Gossypium hirsutum]		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o2.ts	Method	TBLASTX:Soybean
Start	11266	End	11833
GI	none	Score	534
Exons	11266..11832, 11294..11833		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o1.tc	Method	TBLASTX:Cress
Start	11300	End	13430
GI	none	Score	313
Exons	11300..11608, 11302..11607, 11585..11827, 11602..11835, 11623..11838, 11895..12056, 11929..12057, 12057..12278, 12058..12279, 12063..12281, 12101..12280, 12367..12477, 12367..12555, 12371..12532, 12803..12916, 12837..12896, 12966..13190, 12967..13098, 12978..13178, 12980..13192, 13003..13194, 13288..13389, 13290..13430, 13300..13428		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o1.tw	Method	TBLASTX:Wheat
Start	11371	End	11778
GI	none	Score	226
Exons	11371..11604, 11372..11605, 11605..11772, 11606..11767, 11623..11778		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o1.gp	Method	AAT/GAP
Start	11401	End	12239
GI	54090_1.R1084	Score	1433
Exons	11401..11832, 11925..12239		
GI Descrip.	'1706956 1.0e-115 (U58283) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-

Start	11248	End	13503
Name	OJ000250_71.0214.C35.o4.tw	Method	TBLASTX:Wheat
Start	11884	End	12090
GI	none	Score	127
Exons	11884..12060, 11895..12059, 12052..12090, 12057..12086		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o1.ts	Method	TBLASTX:Soybean
Start	11898	End	13431
GI	none	Score	440
Exons	11898..12278, 11920..12279, 11925..12281, 11933..12283, 12154..12279, 12367..12591, 12371..12532, 12372..12578, 12647..12712, 12650..12715, 12651..12761, 12781..12897, 12785..12916, 12806..12904, 12966..13190, 12970..13098, 13000..13194, 13001..13213, 13290..13430, 13300..13428, 13324..13431, 13328..13429		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o2.gp	Method	AAT/GAP
Start	12526	End	13223
GI	32423_1.R1084	Score	938
Exons	12526..12569, 12652..12898, 12978..13223		
GI Descrip.	'1706956 9.0e-66 (U58283) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o2.tw	Method	TBLASTX:Wheat
Start	12845	End	13382
GI	none	Score	69
Exons	12845..12916, 12846..12905, 12966..13070, 12970..13071, 12978..13085, 13039..13140, 13040..13171, 13070..13168, 13080..13190, 13296..13382		

Seq. No.	28486	Seq. ID	OJ000250_71.0214.C35
Gene No.	58771	Strand	-
Start	11248	End	13503
Name	OJ000250_71.0214.C35.o2.tm	Method	TBLASTX:Maize
Start	12857	End	13430
GI	none	Score	54
Exons	12857..12898, 12864..12896, 12966..13190, 12970..13098, 12978..13112, 12980..13165, 13156..13191, 13290..13430, 13300..13428, 13302..13430		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58772	Strand	-
Start	1	End	2956
Name	OJ000250_71.0214.C36.o1.np	Method	AAT/NAP
Start	1	End	2956
GI	1706956	Score	1187
Exons	1..63, 486..625, 714..1049, 1147..1421, 2156..2303, 2411..2540, 2806..2956		

GI Descrip. (U58283) cellulose synthase [Gossypium hirsutum]

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58772	Strand	-
Start	1	End	2956
Name	OJ000250_71.0214.C36.o1.gs	Method	GENSCAN
Start	706	End	2953
GI	none	Score	.94
Exons	706..1057, 1158..1424, 2156..2303, 2411..2540, 2581..2690, 2791..2953		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o1.tc	Method	TBLASTX:Cress
Start	485	End	1423
GI	none	Score	180
Exons	485..631, 486..626, 712..1050, 729..1028, 734..1051, 1157..1423, 1167..1295		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o1.tw	Method	TBLASTX:Wheat
Start	485	End	864
GI	none	Score	139
Exons	485..631, 486..626, 701..847, 703..864, 796..849		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o1.tm	Method	TBLASTX:Maize
Start	485	End	1417
GI	none	Score	147
Exons	485..631, 486..626, 488..631, 701..1051, 703..1050, 802..1056, 1142..1375, 1157..1417		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o1.ts	Method	TBLASTX:Soybean
Start	533	End	1417
GI	none	Score	78
Exons	533..631, 534..626, 539..631, 701..1051, 703..1050, 1144..1293, 1149..1304, 1157..1348, 1157..1417		

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o2.np	Method	AAT/NAP
Start	4412	End	5405
GI	6069646	Score	271
Exons	4412..5127, 5380..5405		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)

[Oryza sativa]

Seq. No.	28487	Seq. ID	OJ000250_71.0214.C36
Gene No.	58773	Strand	-
Start	4412	End	5405
Name	OJ000250_71.0214.C36.o2.tm	Method	TBLASTX:Maize
Start	4430	End	4993
GI	none	Score	78
Exons	4430..4630, 4691..4993, 4785..4886		

Seq. No.	28488	Seq. ID	OJ000250_71.0214.C37
Gene No.	58774	Strand	-
Start	137	End	392
Name	OJ000250_71.0214.C37.o1.gs	Method	GENSCAN
Start	137	End	392
GI	none	Score	.99
Exons	137..206, 268..392		

Seq. No.	28488	Seq. ID	OJ000250_71.0214.C37
Gene No.	58775	Strand	-
Start	793	End	1360
Name	OJ000250_71.0214.C37.o2.gs	Method	GENSCAN
Start	793	End	1360
GI	none	Score	.66
Exons	793..1088, 1213..1360		

Seq. No.	28488	Seq. ID	OJ000250_71.0214.C37
Gene No.	58776	Strand	-
Start	2518	End	2869
Name	OJ000250_71.0214.C37.o3.gs	Method	GENSCAN
Start	2518	End	2869
GI	none	Score	.51
Exons	2518..2869		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58777	Strand	+
Start	222	End	4957
Name	OJ000250_71.0214.C38.o1.gs	Method	GENSCAN
Start	222	End	4957
GI	none	Score	.48
Exons	222..391, 409..497, 943..1008, 1257..1403, 1458..1562, 1719..1818, 2528..2584, 2649..2857, 4940..4957		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58778	Strand	+
Start	5574	End	6768
Name	OJ000250_71.0214.C38.o1.gp	Method	AAT/GAP
Start	5327	End	5941
GI	25788_1.R1084	Score	979
Exons	5327..5776, 5872..5941		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58778	Strand	+
Start	5574	End	6768
Name	OJ000250_71.0214.C38.o2.gs	Method	GENSCAN

Start	5574	End	6768
GI	none	Score	.94
Exons	5574..5776, 5872..6021, 6171..6768		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58779	Strand	+
Start	14174	End	16466
Name	OJ000250_71.0214.C38.o4.gs	Method	GENSCAN
Start	14174	End	16466
GI	none	Score	.65
Exons	14174..14254, 14411..14562, 14793..14856, 15763..15783, 16323..16466		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58780	Strand	-
Start	9050	End	12293
Name	OJ000250_71.0214.C38.o3.gp	Method	AAT/GAP
Start	8853	End	9209
GI	uC-osf1M202035f06b1	Score	702
Exons	8853..9209		
GI Descrip.	'730512/sp|P40393|RIC2_ORYSA 8.0e-14 RAS-RELATED PROTEIN RIC2 >gi_481506_pir__S38741 GTP-binding protein ric2 - rice >gi_218228_dbj_BAA02904_ (D13758) ras-related GTP binding protein [Oryza sativa]'		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58780	Strand	-
Start	9050	End	12293
Name	OJ000250_71.0214.C38.o3.gs	Method	GENSCAN
Start	9050	End	12134
GI	none	Score	.77
Exons	9050..9479, 11731..11864, 11896..12042, 12072..12134		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58780	Strand	-
Start	9050	End	12293
Name	OJ000250_71.0214.C38.o1.np	Method	AAT/NAP
Start	9053	End	12122
GI	730512	Score	885
Exons	9053..9479, 11900..12122		
GI Descrip.	RAS-RELATED PROTEIN RIC2 gi|481506|pir||S38741 GTP-binding protein ric2 - rice gi|218228|dbj|BAA02904| (D13758) ras-related GTP binding protein [Oryza sativa]		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58780	Strand	-
Start	9050	End	12293
Name	OJ000250_71.0214.C38.o4.gp	Method	AAT/GAP
Start	9425	End	12293
GI	uC-osf1cyp065d08b1	Score	790
Exons	9425..9479, 11900..12293		
GI Descrip.	'730512/sp|P40393|RIC2_ORYSA 1.0e-30 RAS-RELATED PROTEIN RIC2 >gi_481506_pir__S38741 GTP-binding protein ric2 - rice >gi_218228_dbj_BAA02904_ (D13758) ras-related GTP binding protein [Oryza sativa]'		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38

Gene No.	58781	Strand	-
Start	16046	End	16369
Name	OJ000250_71.0214.C38.o5.gp	Method	AAT/GAP
Start	16046	End	16369
GI	none	Score	623
Exons	16046..16369		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58782	Strand	-
Start	16678	End	20394
Name	OJ000250_71.0214.C38.o2.np	Method	AAT/NAP
Start	16678	End	20394
GI	6692687	Score	694
Exons	16678..16792, 17132..17259, 17319..17434, 17562..17846, 18193..18368, 18606..18766, 19338..19456, 20163..20394		
GI Descrip.	(AC007592) F12K11.18 [Arabidopsis thaliana]		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58783	Strand	-
Start	22211	End	28656
Name	OJ000250_71.0214.C38.o6.gs	Method	GENSCAN
Start	22211	End	28656
GI	none	Score	.48
Exons	22211..22363, 23865..24240, 24260..24465, 24563..24842, 25484..25560, 25706..25838, 27018..27190, 27315..27469, 28590..28656		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58783	Strand	-
Start	22211	End	28656
Name	OJ000250_71.0214.C38.o3.np	Method	AAT/NAP
Start	23841	End	24051
GI	5738364	Score	165
Exons	23841..24051		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o2.ts	Method	TBLASTX:Soybean
Start	5924	End	6300
GI	none	Score	154
Exons	5924..6022, 5941..6021, 6169..6300, 6204..6263		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o2.tc	Method	TBLASTX:Cress
Start	6151	End	6291
GI	none	Score	203
Exons	6151..6291, 6157..6267, 6204..6272		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o4.tm	Method	TBLASTX:Maize
Start	6562	End	6773

GI	none	Score	59
Exons	6562..6597, 6570..6596, 6594..6617, 6598..6618, 6661..6762, 6679..6744, 6705..6773		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o1.tc	Method	TBLASTX:Cress
Start	9027	End	12101
GI	none	Score	426
Exons	9027..9482, 9047..9481, 11896..12060, 11897..12058, 12063..12101		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o1.ts	Method	TBLASTX:Soybean
Start	9037	End	12101
GI	none	Score	83
Exons	9037..9117, 9038..9118, 9047..9148, 9051..9125, 9131..9481, 9135..9482, 11896..12060, 11897..12058, 12015..12062, 12063..12101		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o1.tm	Method	TBLASTX:Maize
Start	9120	End	12101
GI	none	Score	309
Exons	9120..9479, 9122..9481, 11896..12060, 11897..12058, 12063..12101		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o1.tw	Method	TBLASTX:Wheat
Start	9120	End	11952
GI	none	Score	304
Exons	9120..9482, 9122..9481, 11896..11952		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o3.tw	Method	TBLASTX:Wheat
Start	11953	End	12101
GI	none	Score	145
Exons	11953..12060, 11954..12058, 12063..12101		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o3.tm	Method	TBLASTX:Maize
Start	16696	End	18703
GI	none	Score	73
Exons	16696..16791, 16696..16794, 16697..16795, 17128..17226, 17129..17230, 17130..17228, 17329..17418, 17331..17417, 17594..17809, 17604..17813, 17627..17803, 18269..18379, 18269..18367, 18635..18691, 18637..18693, 18638..18703		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o2.tm	Method	TBLASTX:Maize
Start	20223	End	20836
GI	none	Score	161
Exons	20223..20264, 20256..20393, 20262..20393, 20263..20394, 20285..20395, 20499..20639, 20499..20594, 20501..20620, 20653..20679, 20654..20683, 20739..20783, 20753..20836, 20755..20811		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o3.tc	Method	TBLASTX:Cress
Start	23850	End	24047
GI	none	Score	195
Exons	23850..24047		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o2.tw	Method	TBLASTX:Wheat
Start	23853	End	24050
GI	none	Score	116
Exons	23853..23954, 23854..23955, 23857..23958, 23926..24021, 23965..24021, 23967..24023, 23967..24050		

Seq. No.	28489	Seq. ID	OJ000250_71.0214.C38
Gene No.	58784	Strand	-
Start	30769	End	31064
Name	OJ000250_71.0214.C38.o7.gs	Method	GENSCAN
Start	30769	End	31064
GI	none	Score	.81
Exons	30769..30787, 30906..31064		

Seq. No.	28490	Seq. ID	OJ000250_71.0214.C39
Gene No.	58785	Strand	+
Start	1	End	201
Name	OJ000250_71.0214.C39.o1.np	Method	AAT/NAP
Start	1	End	201
GI	5803259	Score	259
Exons	1..201		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	28490	Seq. ID	OJ000250_71.0214.C39
Gene No.	58786	Strand	-
Start	37	End	156
Name	OJ000250_71.0214.C39.o1.gs	Method	GENSCAN
Start	37	End	156
GI	none	Score	.62
Exons	37..156		

Seq. No.	28491	Seq. ID	OJ000250_71.0214.C42
Gene No.	58787	Strand	-
Start	962	End	1103
Name	OJ000250_71.0214.C42.o1.gs	Method	GENSCAN

Start	962	End	1103
GI	none	Score	.64
Exons	962..1103		

Seq. No.	28492	Seq. ID	OJ000250_73.0214.C2
Gene No.	58788	Strand	+
Start	1	End	258
Name	OJ000250_73.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	258
GI	321919	Score	218
Exons	1..258		
GI Descrip.	hypothetical 16.9K protein - Salmonella typhimurium plasmid NTP16		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58789	Strand	+
Start	557	End	8443
Name	OJ000250_73.0214.C3.o1.gs	Method	GENSCAN
Start	557	End	8443
GI	none	Score	.81
Exons	557..691, 815..980, 1364..1466, 1562..1687, 2139..2413, 3513..3785, 4487..4725, 5343..5555, 5651..5728, 8262..8443		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58790	Strand	+
Start	12008	End	17261
Name	OJ000250_73.0214.C3.o2.gs	Method	GENSCAN
Start	12008	End	13873
GI	none	Score	.81
Exons	12008..12025, 12392..12772, 13015..13306, 13425..13873		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58790	Strand	+
Start	12008	End	17261
Name	OJ000250_73.0214.C3.o2.np	Method	AAT/NAP
Start	12500	End	17261
GI	6524189	Score	1089
Exons	12500..12904, 13015..13206, 13385..13589, 13620..13828, 14496..14546, 14889..14954, 15086..15215, 15321..15461, 15684..15940, 16031..16135, 16219..16263, 16352..16504, 16590..16871, 16953..17089, 17174..17261		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58790	Strand	+
Start	12008	End	17261
Name	OJ000250_73.0214.C3.o1.gp	Method	AAT/GAP
Start	13754	End	15479
GI	702430	Score	762
Exons	13754..13824, 14492..14540, 14880..14954, 15086..15215, 15321..15479		
GI Descrip.	5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3

Gene No.	58790	Strand	+
Start	12008	End	17261
Name	OJ000250_73.0214.C3.o3.gs	Method	GENSCAN
Start	14478	End	16904
GI	none	Score	.63
Exons	14478..14540, 14880..14954, 15086..15211, 15697..15969, 16004..16135, 16219..16263, 16352..16504, 16590..16904		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58790	Strand	+
Start	12008	End	17261
Name	OJ000250_73.0214.C3.o2.gp	Method	AAT/GAP
Start	15866	End	17052
GI	23441_1.R1084	Score	1400
Exons	15866..15940, 16031..16135, 16219..16263, 16352..16504, 16590..16871, 16953..17052		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58791	Strand	+
Start	22461	End	22697
Name	OJ000250_73.0214.C3.o6.gp	Method	AAT/GAP
Start	22461	End	22697
GI	1854261	Score	440
Exons	22461..22697		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58792	Strand	+
Start	34853	End	40413
Name	OJ000250_73.0214.C3.o6.gs	Method	GENSCAN
Start	34853	End	38961
GI	none	Score	.86
Exons	34853..35533, 36092..36247, 36348..36455, 36887..36997, 37094..38530, 38581..38961		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58792	Strand	+
Start	34853	End	40413
Name	OJ000250_73.0214.C3.o5.np	Method	AAT/NAP
Start	34868	End	40413
GI	2244790	Score	1394
Exons	34868..35372, 35439..35547, 36092..36247, 36348..36455, 36887..36997, 37094..38143, 38327..38534, 38660..38935, 40298..40413		
GI Descrip.	(Z97336) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58793	Strand	+
Start	40559	End	43565
Name	OJ000250_73.0214.C3.o12.gp	Method	AAT/GAP
Start	40497	End	41606
GI	61906_1.R1084	Score	687
Exons	40497..40712, 41430..41606		
GI Descrip.	'4427003/gb|AAD20643| 5.0e-24 (AF127664) NBD-like protein		

[Arabidopsis thaliana]'

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58793	Strand	+
Start	40559	End	43565
Name	OJ000250_73.0214.C3.o6.np	Method	AAT/NAP
Start	40558	End	43332
GI	4427003	Score	910
Exons	40558..40712, 41430..41590, 42016..42067, 42398..42534, 42884..42970, 43048..43244, 43272..43332		
GI Descrip.	(AF127664) NBD-like protein [Arabidopsis thaliana]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58793	Strand	+
Start	40559	End	43565
Name	OJ000250_73.0214.C3.o7.gs	Method	GENSCAN
Start	40559	End	43335
GI	none	Score	.91
Exons	40559..40712, 41430..41590, 42016..42067, 42398..42534, 42884..42970, 43048..43335		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58793	Strand	+
Start	40559	End	43565
Name	OJ000250_73.0214.C3.o13.gp	Method	AAT/GAP
Start	43037	End	43565
GI	66029_1.R1084	Score	959
Exons	43037..43565		
GI Descrip.	'4204313 1.0e-30 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58794	Strand	-
Start	3306	End	7979
Name	OJ000250_73.0214.C3.o1.np	Method	AAT/NAP
Start	3306	End	7979
GI	6069646	Score	267
Exons	3306..3957, 7948..7979		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o3.np	Method	AAT/NAP
Start	15874	End	22268
GI	2244787	Score	1452
Exons	15874..15917, 17937..18410, 18668..19987, 20057..20289, 22240..22268		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293

Name	OJ000250_73.0214.C3.o4.gp	Method	AAT/GAP
Start	17707	End	18738
GI	22066_1.R1084	Score	1220
Exons	17707..18410, 18668..18738		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o3.gp	Method	AAT/GAP
Start	17709	End	18412
GI	22066_1.R1084	Score	1113
Exons	17709..18412		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o4.gs	Method	GENSCAN
Start	17879	End	21325
GI	none	Score	.8
Exons	17879..18108, 18238..18410, 18668..19290, 19388..21325		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o4.np	Method	AAT/NAP
Start	20864	End	26293
GI	4835783	Score	1052
Exons	20864..20906, 23077..23213, 24762..25082, 25329..26293		
GI Descrip.	(AC007296) Strong similarity to gi|3367537 T8K4.24 from Arabidopsis thaliana BAC gb|AC004392. EST gb|N37796 comes from this gene.		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o5.gp	Method	AAT/GAP
Start	20939	End	21375
GI	none	Score	851
Exons	20939..21375		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o8.gp	Method	AAT/GAP
Start	22715	End	23205
GI	none	Score	904
Exons	22715..23205		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o5.gs	Method	GENSCAN
Start	22818	End	26267

GI	none	Score	.96
Exons	22818..23213, 24762..26267		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58795	Strand	-
Start	15874	End	26293
Name	OJ000250_73.0214.C3.o9.gp	Method	AAT/GAP
Start	25083	End	25503
GI	23733_1.R1084	Score	743
Exons	25083..25503		
GI Descrip.	'3367537 1.0e-10 (AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi_485107 from Caenorhabditis elegans cosmid gb_U00049. This gene is continued from unannotated gene on BAC F19K23 gb_AC000375. [Arabid'		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o7.ts	Method	TBLASTX:Soybean
Start	540	End	894
GI	none	Score	208
Exons	540..692, 541..693, 814..894		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o7.tc	Method	TBLASTX:Cress
Start	871	End	1663
GI	none	Score	100
Exons	871..981, 1367..1465, 1368..1466, 1561..1662, 1562..1663		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o9.ts	Method	TBLASTX:Soybean
Start	895	End	1937
GI	none	Score	90
Exons	895..981, 918..983, 1361..1465, 1362..1466, 1362..1466, 1363..1467, 1561..1659, 1562..1672, 1573..1662, 1575..1667, 1849..1935, 1851..1937, 1851..1934		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o8.ts	Method	TBLASTX:Soybean
Start	2247	End	2420
GI	none	Score	257
Exons	2247..2420, 2249..2416, 2250..2417		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o12.tm	Method	TBLASTX:Maize
Start	3437	End	3870
GI	none	Score	69
Exons	3437..3535, 3527..3742, 3578..3712, 3754..3783, 3793..3870		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o8.tm	Method	TBLASTX:Maize
Start	13421	End	13786
GI	none	Score	135
Exons	13421..13525, 13604..13786, 13609..13782		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o14.tm	Method	TBLASTX:Maize
Start	14877	End	15235
GI	none	Score	113
Exons	14877..14984, 14879..14956, 15058..15222, 15074..15235, 15112..15216		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o1.tm	Method	TBLASTX:Maize
Start	15318	End	17541
GI	none	Score	38
Exons	15318..15365, 15320..15439, 15340..15441, 15341..15436, 15668..15769, 15691..15795, 15694..15795, 15695..15799, 15783..15932, 15798..15932, 15812..15934, 15814..15942, 15815..15943, 16022..16150, 16030..16158, 16216..16272, 16218..16262, 16349..16504, 16351..16524, 16385..16528, 16559..16870, 16584..16886, 16587..16874, 16589..16876, 16951..17085, 16953..17090, 16953..17090, 17026..17091, 17171..17272, 17172..17261, 17176..17262, 17282..17374, 17308..17370, 17415..17435, 17497..17541		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o6.tc	Method	TBLASTX:Cress
Start	15691	End	15901
GI	none	Score	243
Exons	15691..15900, 15695..15901		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o4.tc	Method	TBLASTX:Cress
Start	16042	End	16661
GI	none	Score	130
Exons	16042..16158, 16043..16150, 16216..16272, 16216..16272, 16349..16504, 16351..16524, 16626..16661, 16637..16660		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o1.tw	Method	TBLASTX:Wheat
Start	16348	End	16793
GI	none	Score	110

Exons	16348..16503, 16389..16496, 16391..16504, 16393..16503, 16581..16613, 16584..16613, 16610..16792, 16611..16793		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o2.ts	Method	TBLASTX:Soybean
Start	16646	End	17279
GI	none	Score	260
Exons	16646..16873, 16650..16886, 16953..17090, 16980..17090, 17149..17238, 17171..17263, 17172..17279		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o2.tc	Method	TBLASTX:Cress
Start	16757	End	17258
GI	none	Score	180
Exons	16757..16882, 16758..16886, 16956..17090, 17066..17107, 17171..17257, 17172..17258		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o3.tm	Method	TBLASTX:Maize
Start	17857	End	18260
GI	none	Score	462
Exons	17857..18246, 17885..18259, 17886..18260		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o11.tm	Method	TBLASTX:Maize
Start	18260	End	18887
GI	none	Score	232
Exons	18260..18412, 18261..18413, 18267..18425, 18667..18741, 18668..18736, 18669..18746, 18729..18791, 18730..18885, 18740..18886, 18837..18887		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o17.tm	Method	TBLASTX:Maize
Start	19006	End	19182
GI	none	Score	153
Exons	19006..19182, 19013..19180		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o10.tm	Method	TBLASTX:Maize
Start	19484	End	19798
GI	none	Score	148
Exons	19484..19798, 19485..19784, 19485..19742, 19589..19786		
Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-

Start	26221	End	26487
Name	OJ000250_73.0214.C3.o6.tm	Method	TBLASTX:Maize
Start	22443	End	25180
GI	none	Score	74
Exons	22443..22490, 22443..22490, 22447..22491, 22450..22527, 22451..22525, 22506..22631, 22553..22588, 22566..22637, 22642..22668, 22644..22667, 22806..22844, 22809..23204, 22864..23214, 22938..23165, 23050..23214, 24756..24965, 24759..24938, 24824..25030, 25040..25180, 25045..25104, 25047..25172		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o6.ts	Method	TBLASTX:Soybean
Start	22904	End	25262
GI	none	Score	95
Exons	22904..22996, 22908..22994, 22938..23042, 23004..23165, 23020..23211, 23051..23167, 24754..24936, 24759..24938, 24762..24938, 25073..25120, 25185..25262		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o5.tc	Method	TBLASTX:Cress
Start	24738	End	24943
GI	none	Score	64
Exons	24738..24935, 24869..24943		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o2.tm	Method	TBLASTX:Maize
Start	25182	End	25776
GI	none	Score	521
Exons	25182..25754, 25184..25627, 25185..25775, 25327..25776		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o4.ts	Method	TBLASTX:Soybean
Start	25278	End	25602
GI	none	Score	143
Exons	25278..25601, 25296..25517, 25327..25602		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o2.tw	Method	TBLASTX:Wheat
Start	25479	End	25735
GI	none	Score	209
Exons	25479..25724, 25479..25727, 25480..25728, 25559..25735		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o1.tc	Method	TBLASTX:Cress

Start	25497	End	25904
GI	none	Score	65
Exons	25497..25598, 25498..25599, 25635..25904, 25684..25893		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o1.ts	Method	TBLASTX:Soybean
Start	25677	End	26261
GI	none	Score	295
Exons	25677..26261, 25684..26154		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o9.tm	Method	TBLASTX:Maize
Start	25782	End	25985
GI	none	Score	310
Exons	25782..25985, 25783..25983, 25785..25985		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58796	Strand	-
Start	26221	End	26487
Name	OJ000250_73.0214.C3.o10.gp	Method	AAT/GAP
Start	26221	End	26487
GI	none	Score	215
Exons	26221..26251, 26352..26487		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58797	Strand	
Start	35435	End	36392
Name	OJ000250_73.0214.C3.o13.tm	Method	TBLASTX:Maize
Start	35435	End	36392
GI	none	Score	156
Exons	35435..35533, 35438..35533, 35473..35541, 36089..36250, 36089..36250, 36091..36255, 36347..36391, 36357..36392		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58798	Strand	
Start	36907	End	37255
Name	OJ000250_73.0214.C3.o5.ts	Method	TBLASTX:Soybean
Start	36907	End	37255
GI	none	Score	134
Exons	36907..36993, 36908..36997, 36915..36998, 36915..36998, 37074..37217, 37079..37255, 37081..37215		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58799	Strand	
Start	37174	End	37662
Name	OJ000250_73.0214.C3.o5.tm	Method	TBLASTX:Maize
Start	37174	End	37662
GI	none	Score	297
Exons	37174..37308, 37175..37453, 37181..37441, 37442..37588, 37449..37592, 37459..37494, 37566..37592, 37569..37643, 37586..37648, 37588..37662		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3

Gene No.	58800	Strand	
Start	37946	End	38401
Name	OJ000250_73.0214.C3.o7.tm	Method	TBLASTX:Maize
Start	37946	End	38401
GI	none	Score	135
Exons	37946..38041, 37949..38053, 37951..38052, 38041..38130, 38050..38130, 38051..38131, 38057..38143, 38123..38272, 38132..38179, 38143..38271, 38155..38274, 38278..38352, 38304..38348, 38375..38401		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58801	Strand	
Start	38368	End	38901
Name	OJ000250_73.0214.C3.o16.tm	Method	TBLASTX:Maize
Start	38368	End	38901
GI	none	Score	108
Exons	38368..38517, 38410..38532, 38415..38531, 38435..38551, 38637..38750, 38668..38832, 38808..38900, 38821..38901		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58802	Strand	
Start	40462	End	43360
Name	OJ000250_73.0214.C3.o15.tm	Method	TBLASTX:Maize
Start	40462	End	41581
GI	none	Score	192
Exons	40462..40512, 40574..40591, 40595..40714, 40595..40651, 40603..40713, 41426..41551, 41427..41549, 41555..41581		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58802	Strand	
Start	40462	End	43360
Name	OJ000250_73.0214.C3.o3.ts	Method	TBLASTX:Soybean
Start	40595	End	43335
GI	none	Score	49
Exons	40595..40642, 40633..40713, 40634..40714, 41426..41602, 41428..41616, 42009..42065, 42010..42066, 42387..42536, 42395..42535, 42397..42540, 42397..42537, 42447..42560, 42869..42967, 42881..42970, 42882..42971, 43027..43242, 43041..43241, 43046..43249, 43267..43335		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58802	Strand	
Start	40462	End	43360
Name	OJ000250_73.0214.C3.o3.tc	Method	TBLASTX:Cress
Start	40598	End	43335
GI	none	Score	131
Exons	40598..40714, 40603..40713, 41426..41602, 41428..41694, 42009..42065, 42010..42066, 42397..42540, 42397..42516, 42459..42536, 42869..42967, 42881..42970, 43027..43257, 43041..43241, 43273..43335		

Seq. No.	28493	Seq. ID	OJ000250_73.0214.C3
Gene No.	58802	Strand	
Start	40462	End	43360
Name	OJ000250_73.0214.C3.o4.tm	Method	TBLASTX:Maize
Start	42009	End	43360
GI	none	Score	97

Exons	42009..42068, 42010..42069, 42407..42535, 42418..42540, 42419..42538, 42869..42967, 42876..42962, 42881..42970, 43026..43247, 43027..43269, 43031..43231, 43041..43250, 43045..43257, 43236..43340, 43249..43335, 43328..43360		
Seq. No.	28494	Seq. ID	OJ000250_73.0214.C4
Gene No.	58803	Strand	+
Start	177	End	611
Name	OJ000250_73.0214.C4.o1.gp	Method	AAT/GAP
Start	177	End	611
GI	none	Score	807
Exons	177..611		
Seq. No.	28494	Seq. ID	OJ000250_73.0214.C4
Gene No.	58804	Strand	+
Start	639	End	741
Name	OJ000250_73.0214.C4.o1.np	Method	AAT/NAP
Start	639	End	741
GI	1103318	Score	109
Exons	639..741		
GI Descrip.	(X78818) casein kinase I [Arabidopsis thaliana] gi|2244791|emb|CAB10213.1| (Z97336) casein kinase I [Arabidopsis thaliana]		
Seq. No.	28494	Seq. ID	OJ000250_73.0214.C4
Gene No.	58805	Strand	+
Start	657	End	732
Name	OJ000250_73.0214.C4.o1.gs	Method	GENSCAN
Start	657	End	732
GI	none	Score	.58
Exons	657..732		
Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58806	Strand	+
Start	1012	End	1957
Name	OJ000250_73.0214.C5.o1.gs	Method	GENSCAN
Start	1012	End	1957
GI	none	Score	.63
Exons	1012..1033, 1824..1957		
Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58807	Strand	+
Start	18995	End	19645
Name	OJ000250_73.0214.C5.o2.np	Method	AAT/NAP
Start	18995	End	19645
GI	3746060	Score	673
Exons	18995..19645		
GI Descrip.	(AC005311) unknown protein [Arabidopsis thaliana]		
Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58808	Strand	+
Start	23209	End	30615
Name	OJ000250_73.0214.C5.o6.gs	Method	GENSCAN
Start	23209	End	30615
GI	none	Score	.67
Exons	23209..23214, 24301..24379, 25828..25927, 30477..30615		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58809	Strand	+
Start	31894	End	32388
Name	OJ000250_73.0214.C5.o1.gp	Method	AAT/GAP
Start	31894	End	32388
GI	none	Score	910
Exons	31894..32388		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58810	Strand	+
Start	34872	End	35440
Name	OJ000250_73.0214.C5.o8.gs	Method	GENSCAN
Start	34872	End	35440
GI	none	Score	.75
Exons	34872..34873, 34975..35440		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58811	Strand	+
Start	58918	End	59459
Name	OJ000250_73.0214.C5.o7.gp	Method	AAT/GAP
Start	58918	End	59459
GI	none	Score	988
Exons	58918..59459		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58812	Strand	-
Start	2746	End	3037
Name	OJ000250_73.0214.C5.o2.gs	Method	GENSCAN
Start	2746	End	3037
GI	none	Score	.56
Exons	2746..2787, 2981..3037		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58813	Strand	-
Start	4741	End	5393
Name	OJ000250_73.0214.C5.o3.gs	Method	GENSCAN
Start	4741	End	5393
GI	none	Score	.61
Exons	4741..4869, 5172..5393		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58814	Strand	-
Start	6407	End	10304
Name	OJ000250_73.0214.C5.o4.gs	Method	GENSCAN
Start	6407	End	10304
GI	none	Score	.85
Exons	6407..6499, 6738..6849, 7458..7509, 8071..8263, 8832..8979, 10195..10304		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58814	Strand	-
Start	6407	End	10304
Name	OJ000250_73.0214.C5.o1.np	Method	AAT/NAP
Start	6681	End	8684
GI	99922	Score	263
Exons	6681..6762, 8135..8684		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528)		

ORF (334 AA) [Glycine max]

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58815	Strand	-
Start	32022	End	34441
Name	OJ000250_73.0214.C5.o7.gs	Method	GENSCAN
Start	32022	End	34441
GI	none	Score	1
Exons	32022..32531, 32904..33190, 34243..34441		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58815	Strand	-
Start	32022	End	34441
Name	OJ000250_73.0214.C5.o3.np	Method	AAT/NAP
Start	32026	End	34426
GI	5679845	Score	424
Exons	32026..32421, 32486..32531, 32872..33246, 34224..34426		
GI Descrip.	(AJ243961) 11332.9 [Oryza sativa]		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o3.tm	Method	TBLASTX:Maize
Start	243	End	1331
GI	none	Score	121
Exons	243..371, 244..381, 392..466, 399..464, 400..468, 469..549, 476..526, 521..571, 524..622, 567..686, 580..660, 585..662, 641..790, 665..793, 675..791, 801..869, 807..869, 811..873, 812..871, 1051..1152, 1234..1329, 1236..1331		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o2.ts	Method	TBLASTX:Soybean
Start	19140	End	19533
GI	none	Score	485
Exons	19140..19292, 19147..19533		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o5.tm	Method	TBLASTX:Maize
Start	19140	End	19401
GI	none	Score	333
Exons	19140..19298, 19147..19401, 19271..19348		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o2.tc	Method	TBLASTX:Cress
Start	19143	End	19539
GI	none	Score	505
Exons	19143..19301, 19147..19539		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216

Name	OJ000250_73.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	32910	End	33167
GI	none	Score	78
Exons	32910..33014, 32938..33018, 33060..33167, 33070..33165		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o3.tc	Method	TBLASTX:Cress
Start	32916	End	34420
GI	none	Score	93
Exons	32916..33020, 32926..33021, 33048..33185, 33070..33171, 34244..34282, 34340..34420		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o3.ts	Method	TBLASTX:Soybean
Start	32925	End	34429
GI	none	Score	102
Exons	32925..33029, 32926..33021, 33048..33185, 33055..33171, 34241..34288, 34244..34282, 34340..34429, 34347..34412		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o7.tm	Method	TBLASTX:Maize
Start	32925	End	34420
GI	none	Score	93
Exons	32925..33050, 32938..33039, 33037..33186, 33054..33185, 33082..33186, 34244..34288, 34340..34414, 34340..34420		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o4.np	Method	AAT/NAP
Start	45016	End	47947
GI	2459428	Score	121
Exons	45016..45062, 47551..47651, 47886..47947		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o11.gs	Method	GENSCAN
Start	47114	End	61120
GI	none	Score	.74
Exons	47114..47658, 47890..47974, 49617..49700, 49802..50047, 50256..50353, 50477..50620, 51464..51616, 51761..51883, 52024..52223, 52297..52400, 52931..53026, 53404..53609, 54745..54835, 54914..55265, 55391..55710, 55893..56224, 56356..56692, 56932..57004, 57676..57878, 58156..58227, 58814..58938, 59320..59629, 59755..59843, 59927..59987, 60072..60145, 60271..60397, 60492..60576, 60685..60748, 60828..60889, 61050..61120		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5

Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o5.np	Method	AAT/NAP
Start	49599	End	53494
GI	4490706	Score	979
Exons	49599..49700, 49802..50047, 50256..50366, 50451..50665, 51497..51616, 51761..51883, 52024..52223, 52297..52400, 52931..53026, 53404..53494		
GI Descrip.	(AL035680) putative protein [Arabidopsis thaliana]		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o8.tm	Method	TBLASTX:Maize
Start	49611	End	52063
GI	none	Score	69
Exons	49611..49703, 49820..49951, 50251..50355, 50252..50353, 50253..50354, 50448..50582, 51514..51618, 51516..51617, 51537..51638, 51759..51845, 51759..51887, 51760..51888, 52020..52049, 52022..52063		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o4.gp	Method	AAT/GAP
Start	52338	End	53685
GI	uC-osf1M202046e10b1	Score	826
Exons	52338..52400, 52931..53026, 53404..53685		
GI Descrip.	'4490706/emb|CAB38840.1| 1.0e-19 (AL035680) putative protein [Arabidopsis thaliana]'		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o6.np	Method	AAT/NAP
Start	52995	End	58387
GI	995714	Score	348
Exons	52995..53026, 55889..56216, 56389..56721, 56923..57004, 57281..57382, 57553..57830, 57931..58020, 58156..58227, 58310..58387		
GI Descrip.	(X91258) L3177 [Saccharomyces cerevisiae]		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o5.gp	Method	AAT/GAP
Start	54356	End	55077
GI	none	Score	1220
Exons	54356..54835, 54914..55077		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o2.tm	Method	TBLASTX:Maize
Start	55426	End	55704
GI	none	Score	270
Exons	55426..55704, 55427..55696, 55431..55703, 55432..55704		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o6.tm	Method	TBLASTX:Maize
Start	56071	End	56994
GI	none	Score	236
Exons	56071..56226, 56073..56231, 56073..56234, 56372..56452, 56373..56453, 56374..56460, 56374..56460, 56478..56717, 56480..56728, 56932..56994, 56932..56994		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o6.gp	Method	AAT/GAP
Start	56168	End	56971
GI	none	Score	778
Exons	56168..56224, 56356..56692, 56932..56971		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o4.tm	Method	TBLASTX:Maize
Start	57596	End	58185
GI	none	Score	170
Exons	57596..57838, 57620..57838, 57624..57839, 57625..57840, 57937..58020, 57939..58016, 57941..58021, 57967..58020, 58153..58185		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o4.tc	Method	TBLASTX:Cress
Start	57642	End	58366
GI	none	Score	201
Exons	57642..57833, 57643..57816, 57645..57839, 57938..58021, 57967..58020, 58150..58230, 58153..58230, 58310..58366		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o4.ts	Method	TBLASTX:Soybean
Start	57678	End	58372
GI	none	Score	152
Exons	57678..57839, 57679..57819, 57938..58021, 57938..58018, 57967..58020, 58153..58218, 58162..58197, 58310..58372, 58310..58366		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o7.np	Method	AAT/NAP
Start	59321	End	61216
GI	4204297	Score	697
Exons	59321..59621, 59762..59976, 60088..60145, 60271..60397, 60492..60576, 60685..60748, 60828..60889, 61050..61216		
GI Descrip.	(AC003027) ADK1 [Arabidopsis thaliana]		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	59363	End	61124
GI	none	Score	92
Exons	59363..59443, 59373..59444, 59452..59628, 59464..59628, 59493..59630, 59718..59846, 59776..59847, 59776..59844, 59925..59993, 59926..59982, 59926..59994, 60070..60147, 60072..60155, 60073..60147, 60269..60397, 60270..60398, 60273..60398, 60474..60578, 60490..60579, 60490..60579, 60680..60748, 60681..60761, 60685..60750, 60829..60891, 60830..60895, 60833..60895, 61047..61124, 61049..61123, 61050..61124		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o8.gp	Method	AAT/GAP
Start	59531	End	61216
GI	16983_1.R1084	Score	1260
Exons	59531..59629, 59755..59843, 59927..59987, 60072..60145, 60271..60397, 60492..60576, 60685..60748, 60828..60889, 61050..61124, 61179..61216		
GI Descrip.	'1197461/emb|CAA55396| 1.0e-127 (X78819) casein kinase I [Arabidopsis thaliana]'		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o1.tc	Method	TBLASTX:Cress
Start	60085	End	61123
GI	none	Score	76
Exons	60085..60147, 60087..60155, 60269..60397, 60270..60398, 60273..60398, 60313..60399, 60451..60573, 60474..60578, 60490..60591, 60492..60641, 60681..60749, 60685..60753, 60817..60885, 60829..60891, 60833..60892, 61047..61121, 61049..61123		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	60085	End	61123
GI	none	Score	64
Exons	60085..60147, 60090..60155, 60269..60397, 60270..60398, 60276..60407, 60278..60400, 60298..60408, 60474..60578, 60490..60579, 60676..60753, 60676..60744, 60681..60749, 60698..60757, 60817..60885, 60829..60891, 60833..60895, 60833..60895, 61047..61121, 61049..61123		

Seq. No.	28495	Seq. ID	OJ000250_73.0214.C5
Gene No.	58816	Strand	-
Start	45016	End	61216
Name	OJ000250_73.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	60293	End	60858

GI	none	Score	88
Exons	60293..60394, 60294..60380, 60486..60578, 60493..60579, 60676..60753, 60681..60749, 60829..60858		

Seq. No.	28496	Seq. ID	OJ000250_73.0214.C6
Gene No.	58817	Strand	-
Start	1	End	1013
Name	OJ000250_73.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	1076386	Score	434
Exons	1..29, 183..288, 425..573, 686..755, 994..1013		
GI Descrip.	protein kinase ADK1 - Arabidopsis thaliana gi|1216484 (U48779) dual specificity kinase 1 [Arabidopsis thaliana]		

Seq. No.	28496	Seq. ID	OJ000250_73.0214.C6
Gene No.	58817	Strand	-
Start	1	End	1013
Name	OJ000250_73.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	180	End	770
GI	none	Score	58
Exons	180..281, 184..288, 189..254, 190..288, 191..289, 422..571, 432..572, 675..770, 684..764		

Seq. No.	28496	Seq. ID	OJ000250_73.0214.C6
Gene No.	58817	Strand	-
Start	1	End	1013
Name	OJ000250_73.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	190	End	765
GI	none	Score	101
Exons	190..288, 191..289, 417..572, 422..589, 422..571, 684..764, 685..765		

Seq. No.	28496	Seq. ID	OJ000250_73.0214.C6
Gene No.	58817	Strand	-
Start	1	End	1013
Name	OJ000250_73.0214.C6.o1.gs	Method	GENSCAN
Start	193	End	755
GI	none	Score	.91
Exons	193..288, 425..573, 686..755		

Seq. No.	28496	Seq. ID	OJ000250_73.0214.C6
Gene No.	58817	Strand	-
Start	1	End	1013
Name	OJ000250_73.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	211	End	765
GI	none	Score	90
Exons	211..288, 215..289, 417..572, 422..571, 425..589, 472..612, 472..588, 671..733, 677..760, 684..764, 685..765		

Seq. No.	28497	Seq. ID	OJ000250_73.0214.C7
Gene No.	58818	Strand	+
Start	263	End	438
Name	OJ000250_73.0214.C7.o1.gs	Method	GENSCAN
Start	263	End	438
GI	none	Score	.63
Exons	263..438		

Seq. No.	28498	Seq. ID	OJ000250_73.0214.C8
Gene No.	58819	Strand	+
Start	139	End	266
Name	OJ000250_73.0214.C8.o1.gs	Method	GENSCAN
Start	139	End	266
GI	none	Score	.5
Exons	139..266		

Seq. No.	28499	Seq. ID	OJ000250_73.0214.C9
Gene No.	58820	Strand	+
Start	406	End	522
Name	OJ000250_73.0214.C9.o1.gs	Method	GENSCAN
Start	406	End	522
GI	none	Score	.69
Exons	406..522		

Seq. No.	28500	Seq. ID	OJ000250_72.0214.C1
Gene No.	58821	Strand	+
Start	403	End	569
Name	OJ000250_72.0214.C1.o1.gs	Method	GENSCAN
Start	403	End	569
GI	none	Score	.77
Exons	403..569		

Seq. No.	28501	Seq. ID	OJ000250_72.0214.C4
Gene No.	58822	Strand	+
Start	1	End	1224
Name	OJ000250_72.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	1224
GI	2462745	Score	342
Exons	1..110, 299..404, 807..971, 1066..1224		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28501	Seq. ID	OJ000250_72.0214.C4
Gene No.	58822	Strand	+
Start	1	End	1224
Name	OJ000250_72.0214.C4.o1.gs	Method	GENSCAN
Start	55	End	971
GI	none	Score	.97
Exons	55..160, 169..971		

Seq. No.	28501	Seq. ID	OJ000250_72.0214.C4
Gene No.	58822	Strand	+
Start	1	End	1224
Name	OJ000250_72.0214.C4.o1.tc	Method	TBLASTX:Cress
Start	792	End	1174
GI	none	Score	198
Exons	792..974, 796..972, 1064..1174, 1090..1161		

Seq. No.	28501	Seq. ID	OJ000250_72.0214.C4
Gene No.	58822	Strand	+
Start	1	End	1224
Name	OJ000250_72.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	837	End	1210
GI	none	Score	177
Exons	837..977, 838..972, 1063..1197, 1064..1210, 1067..1198		

Seq. No.	28501	Seq. ID	OJ000250_72.0214.C4
Gene No.	58822	Strand	+
Start	1	End	1224
Name	OJ000250_72.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	870	End	1201
GI	none	Score	162
Exons	870..983, 871..972, 1063..1200, 1064..1201, 1064..1201		

Seq. No.	28502	Seq. ID	OJ000250_72.0214.C5
Gene No.	58823	Strand	-
Start	900	End	1369
Name	OJ000250_72.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	820	End	1026
GI	none	Score	104
Exons	820..906, 821..907, 822..905, 912..1025, 913..1026, 913..1026		

Seq. No.	28502	Seq. ID	OJ000250_72.0214.C5
Gene No.	58823	Strand	-
Start	900	End	1369
Name	OJ000250_72.0214.C5.o1.gs	Method	GENSCAN
Start	900	End	1369
GI	none	Score	.6
Exons	900..1100, 1316..1369		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58824	Strand	+
Start	927	End	6603
Name	OJ000250_72.0214.C6.o1.gs	Method	GENSCAN
Start	927	End	6603
GI	none	Score	.42
Exons	927..1190, 1379..1489, 2958..3175, 3788..3956, 4720..4828, 4988..5072, 6061..6128, 6581..6603		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58824	Strand	+
Start	927	End	6603
Name	OJ000250_72.0214.C6.o1.np	Method	AAT/NAP
Start	1063	End	5415
GI	6587805	Score	443
Exons	1063..1190, 1344..1489, 1680..1757, 2664..2774, 2936..3211, 3326..3454, 3788..3918, 5348..5415		
GI Descrip.	(AC010924) Strong similarity to gb|Y17914 ion channel protein from Arabidopsis thaliana and is a member of the PF|00914 transmembrane CNG channel family containing a PF|00027 cyclic nucleotide-binding domain.		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58825	Strand	-
Start	7065	End	8558
Name	OJ000250_72.0214.C6.o2.gs	Method	GENSCAN
Start	7065	End	8558
GI	none	Score	.98
Exons	7065..7553, 7989..8558		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570

Name	OJ000250_72.0214.C6.o2.ts	Method	TBLASTX:Soybean
Start	909	End	3107
GI	none	Score	120
Exons	909..1007, 926..1006, 1023..1190, 1046..1189, 1320..1490, 1341..1490, 1343..1507, 1656..1757, 1657..1758, 1678..1758, 2656..2805, 2662..2796, 2919..3107, 2960..3106		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	1088	End	3391
GI	none	Score	151
Exons	1088..1183, 1089..1190, 1104..1190, 1340..1522, 1340..1522, 1657..1758, 1659..1757, 1678..1758, 2639..2794, 2656..2805, 2662..2802, 2955..3203, 2957..3205, 2957..3202, 3290..3385, 3290..3391		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o3.ts	Method	TBLASTX:Soybean
Start	3113	End	3434
GI	none	Score	121
Exons	3113..3202, 3117..3200, 3273..3434, 3278..3433		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o2.np	Method	AAT/NAP
Start	9696	End	12450
GI	1871180	Score	163
Exons	9696..9776, 10862..11134, 12395..12450		
GI Descrip.	(U90439) unknown protein [Arabidopsis thaliana]		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o3.gs	Method	GENSCAN
Start	10257	End	16491
GI	none	Score	.74
Exons	10257..10517, 10768..11176, 11324..11405, 11828..11881, 12096..12278, 14052..14196, 14766..14838, 15004..15109, 15143..15152, 15613..15925, 16035..16193, 16298..16491		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o4.ts	Method	TBLASTX:Soybean
Start	10882	End	11031
GI	none	Score	110
Exons	10882..11031, 10901..11005		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o3.tm	Method	TBLASTX:Maize

Start	10888	End	11082
GI	none	Score	173
Exons	10888..11082, 10889..11005		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o5.ts	Method	TBLASTX:Soybean
Start	15572	End	15730
GI	none	Score	116
Exons	15572..15730, 15577..15726		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	15595	End	15904
GI	none	Score	263
Exons	15595..15885, 15608..15904, 15623..15763		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	15595	End	16506
GI	none	Score	363
Exons	15595..15927, 15596..15928, 15596..15928, 15759..15929, 15975..16193, 16036..16209, 16037..16192, 16292..16492, 16300..16491, 16301..16492, 16306..16506		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	15793	End	16497
GI	none	Score	124
Exons	15793..15927, 15794..15928, 15822..15929, 16029..16115, 16035..16190, 16037..16204, 16294..16497, 16297..16491		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o2.tc	Method	TBLASTX:Cress
Start	15904	End	16414
GI	none	Score	75
Exons	15904..15924, 16034..16195, 16038..16142, 16297..16413, 16298..16414		

Seq. No.	28503	Seq. ID	OJ000250_72.0214.C6
Gene No.	58826	Strand	-
Start	10257	End	16570
Name	OJ000250_72.0214.C6.o3.np	Method	AAT/NAP
Start	16000	End	16570
GI	2462745	Score	311
Exons	16000..16193, 16298..16570		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28504	Seq. ID	OJ000250_72.0214.C7
Gene No.	58827	Strand	+
Start	648	End	935
Name	OJ000250_72.0214.C7.o1.gp	Method	AAT/GAP
Start	648	End	935
GI	3761679	Score	284
Exons	648..765, 857..935		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	28504	Seq. ID	OJ000250_72.0214.C7
Gene No.	58828	Strand	-
Start	767	End	3945
Name	OJ000250_72.0214.C7.o1.gs	Method	GENSCAN
Start	767	End	3945
GI	none	Score	.84
Exons	767..958, 3883..3945		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58829	Strand	+
Start	444	End	1264
Name	OJ000250_72.0214.C8.o1.gs	Method	GENSCAN
Start	444	End	1264
GI	none	Score	.43
Exons	444..719, 1168..1264		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58829	Strand	+
Start	444	End	1264
Name	OJ000250_72.0214.C8.o1.gp	Method	AAT/GAP
Start	809	End	1072
GI	none	Score	456
Exons	809..1072		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58830	Strand	+
Start	1462	End	1956
Name	OJ000250_72.0214.C8.o2.gp	Method	AAT/GAP
Start	1462	End	1956
GI	none	Score	974
Exons	1462..1956		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58831	Strand	+
Start	4447	End	7885
Name	OJ000250_72.0214.C8.o3.gs	Method	GENSCAN
Start	4447	End	7196
GI	none	Score	.77
Exons	4447..5190, 5369..5548, 5630..5781, 5976..6422, 7157..7196		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58831	Strand	+
Start	4447	End	7885
Name	OJ000250_72.0214.C8.o3.gp	Method	AAT/GAP
Start	6006	End	6260
GI	none	Score	494
Exons	6006..6260		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58831	Strand	+
Start	4447	End	7885
Name	OJ000250_72.0214.C8.o4.gp	Method	AAT/GAP
Start	6381	End	7885
GI	3980_1.R1084	Score	751
Exons	6381..6422, 7051..7122, 7278..7344, 7645..7885		
GI Descrip.	'4973264/gb|AAD35009.1|AF144391_1 4.0e-36 (AF144391) thioredoxin-like 5 [Arabidopsis thaliana]'		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58832	Strand	-
Start	2852	End	3828
Name	OJ000250_72.0214.C8.o2.gs	Method	GENSCAN
Start	2852	End	3828
GI	none	Score	.53
Exons	2852..3204, 3583..3739, 3814..3828		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58833	Strand	-
Start	7911	End	8201
Name	OJ000250_72.0214.C8.o5.gp	Method	AAT/GAP
Start	7911	End	8201
GI	3766879	Score	481
Exons	7911..8201		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58834	Strand	-
Start	8271	End	8576
Name	OJ000250_72.0214.C8.o4.gs	Method	GENSCAN
Start	8271	End	8576
GI	none	Score	.88
Exons	8271..8576		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o3.tm	Method	TBLASTX:Maize
Start	7618	End	7824
GI	none	Score	190
Exons	7618..7725, 7621..7764, 7641..7766, 7691..7771, 7768..7824, 7778..7819		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o2.tm	Method	TBLASTX:Maize
Start	8343	End	8564
GI	none	Score	114
Exons	8343..8426, 8343..8381, 8350..8427, 8389..8427, 8428..8547, 8430..8564, 8433..8549		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o5.gs	Method	GENSCAN

Start	9380	End	12411
GI	none	Score	.75
Exons	9380..9558, 10249..10324, 10824..11444, 11791..12411		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o1.tm	Method	TBLASTX:Maize
Start	10814	End	12629
GI	none	Score	49
Exons	10814..10870, 10909..11445, 10909..11121, 10923..11447, 11173..11448, 11778..12050, 11788..12414, 11789..12412, 12099..12416, 12519..12629, 12519..12626, 12521..12628, 12564..12629, 12572..12628		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o1.np	Method	AAT/NAP
Start	10815	End	12629
GI	399940	Score	1931
Exons	10815..11444, 11791..12411, 12524..12629		
GI Descrip.	HEAT SHOCK 70 KD PROTEIN, MITOCHONDRIAL PRECURSOR gi|100004|pir||S25005 heat shock protein, 70K - kidney bean gi|22636|emb|CAA47345| (X66874) 70 kDa heat shock protein [Phaseolus vulgaris]		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o6.gp	Method	AAT/GAP
Start	10919	End	11845
GI	18731_1.R1084	Score	1114
Exons	10919..11444, 11791..11845		
GI Descrip.	'399940/sp|Q01899|HS7M_PHAVU 2.0e-81 HEAT SHOCK 70 KD PROTEIN, MITOCHONDRIAL PRECURSOR >gi_100004_pir__S25005 heat shock protein, 70K - kidney bean >gi_22636_emb_CAA47345_ (X66874) 70 kDa heat shock protein [Phaseolus vulgaris]'		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o2.ts	Method	TBLASTX:Soybean
Start	10977	End	11448
GI	none	Score	483
Exons	10977..11447, 11044..11445, 11182..11448		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o1.tw	Method	TBLASTX:Wheat
Start	11021	End	12616
GI	none	Score	35
Exons	11021..11053, 11067..11204, 11132..11182, 11199..11447, 11215..11448, 11788..11949, 11798..11872, 11899..11991, 11936..12061, 11992..12168, 12214..12414, 12362..12412, 12521..12616, 12522..12584		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o2.tc	Method	TBLASTX:Cress
Start	11104	End	11919
GI	none	Score	376
Exons	11104..11445, 11106..11447, 11266..11448, 11268..11447, 11788..11919, 11789..11872		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o1.ts	Method	TBLASTX:Soybean
Start	11788	End	12628
GI	none	Score	122
Exons	11788..11943, 11789..11944, 11789..11995, 11935..12414, 11936..12412, 12521..12628, 12522..12620		

Seq. No.	28505	Seq. ID	OJ000250_72.0214.C8
Gene No.	58835	Strand	-
Start	9380	End	12629
Name	OJ000250_72.0214.C8.o1.tc	Method	TBLASTX:Cress
Start	11989	End	12628
GI	none	Score	477
Exons	11989..12414, 11990..12412, 12004..12414, 12093..12422, 12519..12626, 12521..12628		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58836	Strand	+
Start	5742	End	11428
Name	OJ000250_72.0214.C9.o2.np	Method	AAT/NAP
Start	5742	End	11428
GI	6730739	Score	207
Exons	5742..5848, 9949..10065, 10828..10910, 11064..11106, 11178..11227, 11286..11428		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58836	Strand	+
Start	5742	End	11428
Name	OJ000250_72.0214.C9.o4.gs	Method	GENSCAN
Start	8969	End	10875
GI	none	Score	.8
Exons	8969..9168, 9954..10077, 10828..10875		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58837	Strand	+
Start	12265	End	12684
Name	OJ000250_72.0214.C9.o4.gp	Method	AAT/GAP
Start	12265	End	12684
GI	uC-osflcyp019e07b1	Score	840
Exons	12265..12684		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9

Gene No.	58838	Strand	+
Start	13415	End	17366
Name	OJ000250_72.0214.C9.o3.np	Method	AAT/NAP
Start	13415	End	17366
GI	6721516	Score	644
Exons	13415..13639, 15104..15345, 15757..16108, 17341..17366		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58839	Strand	+
Start	25379	End	25972
Name	OJ000250_72.0214.C9.o6.gs	Method	GENSCAN
Start	25379	End	25972
GI	none	Score	.67
Exons	25379..25972		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58840	Strand	-
Start	1	End	1454
Name	OJ000250_72.0214.C9.o1.gp	Method	AAT/GAP
Start	1	End	1454
GI	48916_1.R1084	Score	323
Exons	1..86, 1348..1454		
GI Descrip.	'300264/bbs|131379 1.0e-42 (S59747) HSP68=68 kda heat-stress DnaK homolog [Solanum tuberosum=potatoes, Peptide Mitochondrial, 682 aa] [Solanum tuberosum]'		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58840	Strand	-
Start	1	End	1454
Name	OJ000250_72.0214.C9.o1.gs	Method	GENSCAN
Start	13	End	1410
GI	none	Score	.72
Exons	13..86, 545..625, 1348..1410		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58841	Strand	-
Start	3162	End	6057
Name	OJ000250_72.0214.C9.o2.gs	Method	GENSCAN
Start	3162	End	6057
GI	none	Score	.76
Exons	3162..3308, 3881..3932, 4171..4330, 5291..5414, 5522..5593, 5686..6057		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58841	Strand	-
Start	3162	End	6057
Name	OJ000250_72.0214.C9.o1.np	Method	AAT/NAP
Start	4170	End	5961
GI	2833373	Score	704
Exons	4170..4330, 4411..4468, 4559..4629, 5291..5414, 5522..5593, 5686..5961		
GI Descrip.	DNA-3-METHYLADENINE GLYCOSYLASE (3-METHYLADENINE DNA GLYCOSIDASE) gi|429157|emb|CAA53763| (X76169) 3-methyladenine glycosylase [Arabidopsis thaliana]		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9

Gene No.	58841	Strand	-
Start	3162	End	6057
Name	OJ000250_72.0214.C9.o2.gp	Method	AAT/GAP
Start	4438	End	5801
GI	LIB3434-014-P1-K1-H7	Score	712
Exons	4438..4468, 4559..4629, 5291..5414, 5522..5593, 5686..5801		
GI Descrip.	'2833373/sp|Q39147|3MG_ARATH 7.0e-63 DNA-3-METHYLADENINE GLYCOSYLASE (3-METHYLADENINE DNA GLYCOSIDASE) >gi_429157_emb_CAA53763_ (X76169) 3-methyladenine glycosylase [Arabidopsis thaliana]'		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58842	Strand	-
Start	7384	End	8555
Name	OJ000250_72.0214.C9.o3.gs	Method	GENSCAN
Start	7384	End	8555
GI	none	Score	.81
Exons	7384..7851, 8166..8555		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o5.tm	Method	TBLASTX:Maize
Start	4170	End	4331
GI	none	Score	185
Exons	4170..4331, 4174..4290		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o1.tc	Method	TBLASTX:Cress
Start	4173	End	5784
GI	none	Score	162
Exons	4173..4310, 4174..4296, 4175..4306, 4400..4471, 4410..4469, 4556..4630, 4557..4631, 5286..5414, 5287..5412, 5297..5413, 5514..5594, 5528..5596, 5659..5784		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o9.tm	Method	TBLASTX:Maize
Start	4369	End	4670
GI	none	Score	101
Exons	4369..4485, 4370..4489, 4376..4495, 4407..4670, 4549..4623, 4550..4630		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o5.gs	Method	GENSCAN
Start	11745	End	24451
GI	none	Score	.78
Exons	11745..12965, 13435..13740, 14426..14577, 14665..14737, 15249..15339, 15369..15434, 19251..19348, 19525..22755, 22851..24188, 24365..24451		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9

Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o6.tm	Method	TBLASTX:Maize
Start	19251	End	24200
GI	none	Score	79
Exons	19251..19337, 19253..19336, 19291..19338, 19331..19360, 22971..23090, 22978..23088, 23184..23291, 23196..23294, 24093..24176, 24109..24177, 24171..24200		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o4.np	Method	AAT/NAP
Start	19518	End	23905
GI	6466937	Score	2350
Exons	19518..23905		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o5.np	Method	AAT/NAP
Start	19518	End	25380
GI	6466937	Score	2345
Exons	19518..24066, 25303..25380		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o4.tm	Method	TBLASTX:Maize
Start	19618	End	19954
GI	none	Score	220
Exons	19618..19953, 19619..19954		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	20044	End	20625
GI	none	Score	79
Exons	20044..20172, 20242..20625, 20387..20545		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o3.tm	Method	TBLASTX:Maize
Start	20245	End	20877
GI	none	Score	192
Exons	20245..20703, 20294..20740, 20767..20877		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o3.ts	Method	TBLASTX:Soybean

Start	20473	End	20856
GI	none	Score	123
Exons	20473..20703, 20549..20818, 20755..20856		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o8.tm	Method	TBLASTX:Maize
Start	20950	End	21243
GI	none	Score	76
Exons	20950..21114, 21097..21243, 21100..21243		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o4.tw	Method	TBLASTX:Wheat
Start	21118	End	21444
GI	none	Score	198
Exons	21118..21444		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o4.ts	Method	TBLASTX:Soybean
Start	21289	End	21505
GI	none	Score	75
Exons	21289..21501, 21386..21505		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	21295	End	21819
GI	none	Score	101
Exons	21295..21504, 21386..21505, 21568..21819, 21569..21811		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o3.tw	Method	TBLASTX:Wheat
Start	21445	End	21843
GI	none	Score	117
Exons	21445..21504, 21565..21843, 21566..21811		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	21565	End	21882
GI	none	Score	106
Exons	21565..21882, 21566..21811		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o2.tm	Method	TBLASTX:Maize
Start	21838	End	22323

GI	none	Score	129
Exons	21838..22323, 21857..22294		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	21919	End	22374
GI	none	Score	118
Exons	21919..22206, 21934..22374, 21953..22270		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o2.ts	Method	TBLASTX:Soybean
Start	22024	End	22338
GI	none	Score	221
Exons	22024..22338		

Seq. No.	28506	Seq. ID	OJ000250_72.0214.C9
Gene No.	58843	Strand	-
Start	11745	End	25380
Name	OJ000250_72.0214.C9.o7.tm	Method	TBLASTX:Maize
Start	23466	End	23732
GI	none	Score	40
Exons	23466..23534, 23494..23535, 23526..23732, 23527..23703		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58844	Strand	+
Start	1	End	1898
Name	OJ000250_72.0214.C11.o1.np	Method	AAT/NAP
Start	1	End	1278
GI	6729549	Score	606
Exons	1..273, 429..579, 855..967, 1105..1278		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58844	Strand	+
Start	1	End	1898
Name	OJ000250_72.0214.C11.o1.gs	Method	GENSCAN
Start	96	End	1898
GI	none	Score	.67
Exons	96..273, 429..579, 834..967, 1105..1251, 1803..1898		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58844	Strand	+
Start	1	End	1898
Name	OJ000250_72.0214.C11.o1.gp	Method	AAT/GAP
Start	182	End	990
GI	49071_1.R1084	Score	681
Exons	182..273, 429..579, 834..990		
GI Descrip.	'4835757/gb|AAD30224.1|AC007202_6 2.0e-29 (AC007202) EST gb_AA404917 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58845	Strand	+
Start	6933	End	28713

Name	OJ000250_72.0214.C11.o3.gs	Method	GENSCAN
Start	6933	End	7592
GI	none	Score	1
Exons	6933..7592		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58845	Strand	+
Start	6933	End	28713
Name	OJ000250_72.0214.C11.o4.np	Method	AAT/NAP
Start	7108	End	28713
GI	4584539	Score	181
Exons	7108..7211, 18313..18497, 19727..19867, 28497..28713		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58845	Strand	+
Start	6933	End	28713
Name	OJ000250_72.0214.C11.o4.gp	Method	AAT/GAP
Start	9089	End	9575
GI	38533_1.R1084	Score	897
Exons	9089..9575		
GI Descrip.	'4539324/emb|CAB38825.1| 4.0e-09 (AL035679) kinesin like protein [Arabidopsis thaliana]'		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58845	Strand	+
Start	6933	End	28713
Name	OJ000250_72.0214.C11.o8.gs	Method	GENSCAN
Start	26301	End	26630
GI	none	Score	.98
Exons	26301..26630		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58846	Strand	-
Start	1166	End	1504
Name	OJ000250_72.0214.C11.o2.gp	Method	AAT/GAP
Start	1166	End	1504
GI	3767107	Score	619
Exons	1166..1504		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58847	Strand	-
Start	1617	End	5591
Name	OJ000250_72.0214.C11.o3.gp	Method	AAT/GAP
Start	1617	End	3059
GI	84785_1.R1084	Score	976
Exons	1617..1950, 2578..2646, 2742..2805, 2922..3059		
GI Descrip.	'728777/sp|P40937|AC11_HUMAN 2.0e-12 ACTIVATOR 1 36 KD SUBUNIT (REPLICATION FACTOR C 36 KD SUBUNIT) (A1 36 KD SUBUNIT) (RF-C 36 KD SUBUNIT) (RFC36) >gi_1498257 (L07540) replication factor C, 36-kDa subunit [Homo sapiens]'		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58847	Strand	-
Start	1617	End	5591
Name	OJ000250_72.0214.C11.o2.np	Method	AAT/NAP
Start	1854	End	5591

GI	6382495	Score	1101
Exons	1854..1950, 2578..2646, 2742..2805, 2922..3051, 3437..3518, 3707..3866, 3959..4035, 4437..4653, 5408..5591		
GI Descrip.	(AC010704) putative replication factor C [Arabidopsis thaliana]		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58847	Strand	-
Start	1617	End	5591
Name	OJ000250_72.0214.C11.o2.gs	Method	GENSCAN
Start	2532	End	5591
GI	none	Score	.77
Exons	2532..2627, 2806..3051, 3437..3518, 3707..3896, 3959..4037, 4487..4653, 5408..5591		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58848	Strand	-
Start	7206	End	19008
Name	OJ000250_72.0214.C11.o3.np	Method	AAT/NAP
Start	7206	End	19008
GI	4539324	Score	1369
Exons	7206..7222, 9366..9859, 10469..10627, 10730..10777, 11437..11487, 11575..11688, 11785..11925, 12395..12540, 13204..13406, 13667..13778, 13880..13987, 14094..14198, 14492..14596, 14679..14741, 14911..14978, 15166..15244, 15544..15603, 15691..15744, 15818..16014, 16347..16421, 16710..16799, 17904..17996, 18024..18163, 18738..19008		
GI Descrip.	(AL035679) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58848	Strand	-
Start	7206	End	19008
Name	OJ000250_72.0214.C11.o4.gs	Method	GENSCAN
Start	8003	End	8666
GI	none	Score	.94
Exons	8003..8220, 8549..8666		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58848	Strand	-
Start	7206	End	19008
Name	OJ000250_72.0214.C11.o5.gs	Method	GENSCAN
Start	9350	End	18384
GI	none	Score	.84
Exons	9350..9868, 10424..10627, 10730..10777, 11437..11487, 11575..11925, 12418..12639, 12828..12980, 13204..13386, 13632..13778, 13880..13987, 14094..14198, 14492..14596, 14679..14741, 15544..15603, 15691..15744, 15836..15901, 16369..16421, 16710..16823, 17904..18001, 18104..18384		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58848	Strand	-
Start	7206	End	19008
Name	OJ000250_72.0214.C11.o5.gp	Method	AAT/GAP
Start	11554	End	12865
GI	uC-osflcyp024f08b1	Score	970
Exons	11554..11700, 11785..11925, 12418..12639, 12828..12865		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 4.0e-14 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and		

contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58848	Strand	-
Start	7206	End	19008
Name	OJ000250_72.0214.C11.o6.gp	Method	AAT/GAP
Start	16712	End	18457
GI	uC-osroM202035b07b1	Score	1016
Exons	16712..16799, 17904..18001, 18104..18457		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 5.0e-25 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58849	Strand	-
Start	24695	End	25145
Name	OJ000250_72.0214.C11.o7.gs	Method	GENSCAN
Start	24695	End	25145
GI	none	Score	.86
Exons	24695..24987, 24995..25145		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o6.tm	Method	TBLASTX:Maize
Start	97	End	583
GI	none	Score	249
Exons	97..273, 99..278, 412..579, 423..578, 426..581, 428..583		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o5.tm	Method	TBLASTX:Maize
Start	835	End	1302
GI	none	Score	192
Exons	835..969, 836..970, 842..970, 1102..1302, 1102..1284		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o4.ts	Method	TBLASTX:Soybean
Start	854	End	1251
GI	none	Score	124
Exons	854..970, 1102..1251, 1105..1248		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o2.tw	Method	TBLASTX:Wheat
Start	1155	End	1483
GI	none	Score	197
Exons	1155..1283, 1156..1284, 1163..1285, 1442..1483		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-

Start	28062	End	28621
Name	OJ000250_72.0214.C11.o5.ts	Method	TBLASTX:Soybean
Start	1857	End	2991
GI	none	Score	49
Exons	1857..1949, 2568..2645, 2574..2645, 2732..2803, 2745..2804, 2917..2991		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o4.tm	Method	TBLASTX:Maize
Start	2738	End	3759
GI	none	Score	107
Exons	2738..2803, 2741..2803, 2916..3056, 2917..3057, 2918..3055, 3432..3518, 3437..3526, 3437..3517, 3706..3759, 3707..3757		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o2.tc	Method	TBLASTX:Cress
Start	2940	End	3868
GI	none	Score	73
Exons	2940..3032, 2940..3032, 2944..3048, 2948..3049, 3008..3055, 3016..3054, 3431..3520, 3434..3520, 3435..3521, 3692..3868, 3705..3863, 3709..3867		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o1.ts	Method	TBLASTX:Soybean
Start	3793	End	5490
GI	none	Score	88
Exons	3793..3867, 3794..3874, 3960..4034, 3961..4035, 4398..4652, 4436..4654, 4463..4654, 4467..4655, 5409..5489, 5410..5490		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o7.tm	Method	TBLASTX:Maize
Start	4544	End	5678
GI	none	Score	170
Exons	4544..4654, 4545..4652, 4547..4654, 5409..5492, 5410..5493, 5582..5599, 5585..5599, 5610..5657, 5613..5654, 5640..5678		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	9362	End	10575
GI	none	Score	135
Exons	9362..9640, 9363..9491, 9406..9525, 9635..9862, 9639..9776, 9649..9861, 9730..9870, 10447..10575		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o3.ts	Method	TBLASTX:Soybean

Start	9372	End	9550
GI	none	Score	129
Exons	9372..9488, 9375..9530, 9380..9493, 9380..9550, 9394..9495		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o1.tc	Method	TBLASTX:Cress
Start	9603	End	10792
GI	none	Score	128
Exons	9603..9776, 9626..9871, 10559..10630, 10575..10631, 10730..10792, 10730..10789		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o3.tm	Method	TBLASTX:Maize
Start	10577	End	12515
GI	none	Score	73
Exons	10577..10624, 10578..10631, 10712..10783, 10727..10783, 10731..10790, 11434..11487, 11434..11487, 11575..11706, 11576..11659, 11623..11679, 11780..11926, 11782..11925, 11786..11962, 11787..11966, 12417..12515, 12424..12513, 12426..12515		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o1.tw	Method	TBLASTX:Wheat
Start	11566	End	11943
GI	none	Score	80
Exons	11566..11697, 11779..11943, 11783..11938		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o2.tm	Method	TBLASTX:Maize
Start	13354	End	13993
GI	none	Score	128
Exons	13354..13422, 13623..13781, 13626..13781, 13877..13993, 13881..13985		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o2.ts	Method	TBLASTX:Soybean
Start	13686	End	14530
GI	none	Score	56
Exons	13686..13727, 13722..13778, 13744..13779, 13870..13932, 13877..13933, 13934..13993, 13935..13985, 14076..14198, 14086..14199, 14474..14530		

Seq. No.	28507	Seq. ID	OJ000250_72.0214.C11
Gene No.	58850	Strand	-
Start	28062	End	28621
Name	OJ000250_72.0214.C11.o9.gs	Method	GENSCAN
Start	28062	End	28621

GI	none	Score	.78
Exons	28062..28113, 28536..28621		

Seq. No.	28508	Seq. ID	OJ000250_72.0214.C12
Gene No.	58851	Strand	+
Start	6048	End	7056
Name	OJ000250_72.0214.C12.o2.np	Method	AAT/NAP
Start	6048	End	7056
GI	6907089	Score	1689
Exons	6048..7056		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28508	Seq. ID	OJ000250_72.0214.C12
Gene No.	58851	Strand	+
Start	6048	End	7056
Name	OJ000250_72.0214.C12.o3.gs	Method	GENSCAN
Start	6048	End	6950
GI	none	Score	.55
Exons	6048..6950		

Seq. No.	28508	Seq. ID	OJ000250_72.0214.C12
Gene No.	58852	Strand	-
Start	2839	End	7056
Name	OJ000250_72.0214.C12.o2.gs	Method	GENSCAN
Start	2839	End	4986
GI	none	Score	.63
Exons	2839..2972, 3329..3467, 3608..3732, 4421..4427, 4490..4558, 4924..4986		

Seq. No.	28508	Seq. ID	OJ000250_72.0214.C12
Gene No.	58852	Strand	-
Start	2839	End	7056
Name	OJ000250_72.0214.C12.o1.np	Method	AAT/NAP
Start	4611	End	7056
GI	5042454	Score	269
Exons	4611..4664, 4924..5107, 5675..5793, 6011..6173, 6958..7056		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58853	Strand	+
Start	1	End	2102
Name	OJ000250_72.0214.C13.o1.np	Method	AAT/NAP
Start	1	End	2099
GI	6907089	Score	3161
Exons	1..72, 167..2099		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58853	Strand	+
Start	1	End	2102
Name	OJ000250_72.0214.C13.o1.gs	Method	GENSCAN
Start	73	End	2102
GI	none	Score	.43
Exons	73..2102		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58854	Strand	-

Start	2731	End	8378
Name	OJ000250_72.0214.C13.o2.gs	Method	GENSCAN
Start	2731	End	6396
GI	none	Score	.73
Exons	2731..3547, 3656..4900, 4946..6396		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58854	Strand	-
Start	2731	End	8378
Name	OJ000250_72.0214.C13.o2.np	Method	AAT/NAP
Start	2734	End	8378
GI	6498441	Score	6911
Exons	2734..3015, 3109..4506, 4678..4974, 5167..5593, 5768..5902, 6086..6459, 6523..6986, 7317..8378		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o7.tw	Method	TBLASTX:Wheat
Start	2743	End	3345
GI	none	Score	127
Exons	2743..2868, 2929..3345, 3055..3345		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o4.tw	Method	TBLASTX:Wheat
Start	3346	End	3726
GI	none	Score	169
Exons	3346..3726, 3377..3625		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o3.tm	Method	TBLASTX:Maize
Start	3502	End	3864
GI	none	Score	98
Exons	3502..3549, 3532..3744, 3541..3864, 3554..3835		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o8.tw	Method	TBLASTX:Wheat
Start	4057	End	4369
GI	none	Score	67
Exons	4057..4317, 4193..4369		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o2.ts	Method	TBLASTX:Soybean
Start	4117	End	4683
GI	5666795	Score	68
Exons	4117..4317, 4372..4509, 4585..4683		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o5.tw	Method	TBLASTX:Wheat
Start	4372	End	4830
GI	none	Score	82
Exons	4372..4521, 4373..4510, 4541..4696, 4555..4806, 4556..4741, 4576..4830		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o1.ts	Method	TBLASTX:Soybean
Start	5431	End	5802
GI	none	Score	90
Exons	5431..5802, 5642..5785		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o2.tw	Method	TBLASTX:Wheat
Start	5461	End	5881
GI	none	Score	314
Exons	5461..5880, 5468..5881		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o2.tm	Method	TBLASTX:Maize
Start	5554	End	5938
GI	none	Score	238
Exons	5554..5937, 5573..5938		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o1.tm	Method	TBLASTX:Maize
Start	5965	End	6321
GI	none	Score	125
Exons	5965..6270, 5965..6321, 5975..6286		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o1.tw	Method	TBLASTX:Wheat
Start	5989	End	6451
GI	none	Score	218
Exons	5989..6450, 5995..6450, 5996..6451		

Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o3.ts	Method	TBLASTX:Soybean
Start	6046	End	6411
GI	none	Score	118

Exons	6046..6180, 6187..6411		
Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o3.tw	Method	TBLASTX:Wheat
Start	6607	End	7102
GI	none	Score	171
Exons	6607..7101, 6647..6907, 6929..7102		
Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o6.tw	Method	TBLASTX:Wheat
Start	7838	End	8389
GI	none	Score	76
Exons	7838..8083, 7917..8111, 8078..8164, 8079..8159, 8182..8229, 8354..8389		
Seq. No.	28509	Seq. ID	OJ000250_72.0214.C13
Gene No.	58855	Strand	-
Start	9098	End	9551
Name	OJ000250_72.0214.C13.o3.np	Method	AAT/NAP
Start	9098	End	9551
GI	5042454	Score	226
Exons	9098..9151, 9411..9551		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	28510	Seq. ID	OJ000250_72.0214.C14
Gene No.	58856	Strand	+
Start	1518	End	6736
Name	OJ000250_72.0214.C14.o1.gs	Method	GENSCAN
Start	1518	End	6736
GI	none	Score	.73
Exons	1518..1580, 1741..1801, 2692..2877, 2975..3094, 3773..3968, 6528..6736		
Seq. No.	28511	Seq. ID	OJ000250_72.0214.C15
Gene No.	58857	Strand	-
Start	4443	End	4865
Name	OJ000250_72.0214.C15.o2.gs	Method	GENSCAN
Start	4443	End	4865
GI	none	Score	.94
Exons	4443..4645, 4799..4865		
Seq. No.	28512	Seq. ID	OJ000250_72.0214.C16
Gene No.	58858	Strand	+
Start	4666	End	6020
Name	OJ000250_72.0214.C16.o2.gs	Method	GENSCAN
Start	4666	End	6020
GI	none	Score	.55
Exons	4666..4749, 4905..5051, 5366..5533, 5913..6020		
Seq. No.	28512	Seq. ID	OJ000250_72.0214.C16
Gene No.	58859	Strand	-
Start	651	End	3026
Name	OJ000250_72.0214.C16.o1.gs	Method	GENSCAN

Start	651	End	3026
GI	none	Score	.64
Exons	651..786, 978..1157, 1884..1983, 2255..2315, 2470..2559, 2653..2895, 2957..3026		

Seq. No.	28513	Seq. ID	OJ000250_72.0214.C17
Gene No.	58860	Strand	+
Start	266	End	906
Name	OJ000250_72.0214.C17.o1.gs	Method	GENSCAN
Start	266	End	403
GI	none	Score	.63
Exons	266..403		

Seq. No.	28513	Seq. ID	OJ000250_72.0214.C17
Gene No.	58860	Strand	+
Start	266	End	906
Name	OJ000250_72.0214.C17.o1.np	Method	AAT/NAP
Start	302	End	906
GI	6006359	Score	61
Exons	302..399, 871..906		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	28514	Seq. ID	OJ000250_77.0222.C5
Gene No.	58861	Strand	+
Start	1825	End	4445
Name	OJ000250_77.0222.C5.o1.gs	Method	GENSCAN
Start	1825	End	4445
GI	none	Score	.61
Exons	1825..2105, 2848..3391, 3797..4445		

Seq. No.	28514	Seq. ID	OJ000250_77.0222.C5
Gene No.	58862	Strand	-
Start	1436	End	4184
Name	OJ000250_77.0222.C5.o1.np	Method	AAT/NAP
Start	1436	End	4184
GI	4584355	Score	179
Exons	1436..1676, 4119..4184		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58863	Strand	+
Start	51	End	3533
Name	OJ000250_77.0222.C6.o1.gs	Method	GENSCAN
Start	51	End	3533
GI	none	Score	.55
Exons	51..135, 781..1017, 1118..1513, 1709..1986, 2153..2278, 2757..2858, 3062..3156, 3452..3533		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58864	Strand	+
Start	5155	End	5451
Name	OJ000250_77.0222.C6.o1.np	Method	AAT/NAP
Start	5155	End	5451
GI	6539588	Score	312
Exons	5155..5451		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58865	Strand	+
Start	8047	End	9692
Name	OJ000250_77.0222.C6.o3.np	Method	AAT/NAP
Start	8047	End	9692
GI	3645899	Score	762
Exons	8047..9357, 9535..9692		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58865	Strand	+
Start	8047	End	9692
Name	OJ000250_77.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	8473	End	9029
GI	none	Score	125
Exons	8473..8703, 8743..8799, 8841..9029, 8850..9020, 8858..9028		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58865	Strand	+
Start	8047	End	9692
Name	OJ000250_77.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	8698	End	9332
GI	none	Score	87
Exons	8698..8763, 8703..8765, 8841..9185, 8849..9184, 9180..9332		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58865	Strand	+
Start	8047	End	9692
Name	OJ000250_77.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	8871	End	9332
GI	none	Score	233
Exons	8871..9182, 8889..9068, 8891..9175, 9210..9332		

Seq. No.	28515	Seq. ID	OJ000250_77.0222.C6
Gene No.	58865	Strand	+
Start	8047	End	9692
Name	OJ000250_77.0222.C6.o1.tc	Method	TBLASTX:Cress
Start	8889	End	9326
GI	none	Score	146
Exons	8889..9179, 8897..8974, 9195..9326		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58866	Strand	+
Start	1	End	1546
Name	OJ000250_77.0222.C7.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	6630685	Score	1641
Exons	1..1543		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58866	Strand	+
Start	1	End	1546
Name	OJ000250_77.0222.C7.o1.gs	Method	GENSCAN
Start	527	End	1546
GI	none	Score	.93

Exons	527..1546		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58867	Strand	+
Start	3248	End	4384
Name	OJ000250_77.0222.C7.o2.gs	Method	GENSCAN
Start	3248	End	4384
GI	none	Score	.74
Exons	3248..3461, 3676..3987, 4188..4384		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58867	Strand	+
Start	3248	End	4384
Name	OJ000250_77.0222.C7.o2.np	Method	AAT/NAP
Start	3649	End	3950
GI	6539588	Score	280
Exons	3649..3950		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58868	Strand	+
Start	6312	End	8000
Name	OJ000250_77.0222.C7.o3.gs	Method	GENSCAN
Start	6312	End	8000
GI	none	Score	.67
Exons	6312..6334, 6703..6724, 7436..7577, 7658..7880, 7949..8000		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o1.ts	Method	TBLASTX:Soybean
Start	9	End	516
GI	5509260	Score	582
Exons	9..206, 10..516, 11..511		
GI Descrip.	-		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o1.tw	Method	TBLASTX:Wheat
Start	31	End	508
GI	none	Score	83
Exons	31..120, 32..121, 101..502, 163..492, 329..508		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o1.tc	Method	TBLASTX:Cress
Start	137	End	397
GI	none	Score	201
Exons	137..397		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o2.tm	Method	TBLASTX:Maize
Start	178	End	643

GI	none	Score	469
Exons	178..552, 179..616, 332..643		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o6.tm	Method	TBLASTX:Maize
Start	685	End	868
GI	none	Score	188
Exons	685..822, 686..868, 698..868		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o2.tw	Method	TBLASTX:Wheat
Start	692	End	1123
GI	none	Score	105
Exons	692..841, 866..1123		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o1.tm	Method	TBLASTX:Maize
Start	869	End	1525
GI	none	Score	745
Exons	869..1525, 877..1425, 1157..1510, 1456..1515		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o2.ts	Method	TBLASTX:Soybean
Start	887	End	1555
GI	none	Score	297
Exons	887..1276, 991..1233, 1295..1555, 1309..1401		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o2.tc	Method	TBLASTX:Cress
Start	1160	End	1507
GI	none	Score	90
Exons	1160..1291, 1313..1507		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o3.tw	Method	TBLASTX:Wheat
Start	1160	End	1480
GI	none	Score	97
Exons	1160..1285, 1289..1480, 1304..1480		

Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o3.tm	Method	TBLASTX:Maize
Start	8899	End	9466
GI	none	Score	112

Exons	8899..9036, 8909..9034, 8945..9043, 8946..9035, 8947..9039, 9140..9256, 9141..9257, 9141..9278, 9142..9282, 9148..9279, 9392..9445, 9401..9466		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o3.np	Method	AAT/NAP
Start	8904	End	12155
GI	3096910	Score	202
Exons	8904..9033, 9142..9327, 9590..9842, 10025..10158, 10240..10315, 10453..10534, 10627..10705, 11544..11699, 12128..12155		
GI Descrip.	(AJ005813) neoxanthin cleavage enzyme [Arabidopsis thaliana]		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o4.gs	Method	GENSCAN
Start	8911	End	11757
GI	none	Score	.65
Exons	8911..9033, 9379..9443, 9577..9889, 10030..10168, 10253..10315, 10453..10534, 11525..11757		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o5.tm	Method	TBLASTX:Maize
Start	9618	End	9890
GI	none	Score	165
Exons	9618..9764, 9620..9763, 9813..9890, 9818..9889		
Seq. No.	28516	Seq. ID	OJ000250_77.0222.C7
Gene No.	58869	Strand	-
Start	8911	End	12155
Name	OJ000250_77.0222.C7.o4.tm	Method	TBLASTX:Maize
Start	10027	End	10708
GI	none	Score	183
Exons	10027..10170, 10028..10168, 10029..10181, 10251..10313, 10252..10314, 10252..10317, 10449..10535, 10451..10537, 10457..10537, 10459..10566, 10459..10566, 10624..10707, 10628..10708, 10629..10706		
Seq. No.	28517	Seq. ID	OJ000250_77.0222.C11
Gene No.	58870	Strand	+
Start	1	End	602
Name	OJ000250_77.0222.C11.o1.np	Method	AAT/NAP
Start	1	End	602
GI	6539588	Score	84
Exons	1..86, 579..602		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	28518	Seq. ID	OJ000250_77.0222.C14
Gene No.	58871	Strand	-
Start	240	End	470
Name	OJ000250_77.0222.C14.o1.np	Method	AAT/NAP
Start	240	End	470
GI	6466937	Score	183

Exons	240..470		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	28518	Seq. ID	OJ000250_77.0222.C14
Gene No.	58871	Strand	-
Start	240	End	470
Name	OJ000250_77.0222.C14.o1.tm	Method	TBLASTX:Maize
Start	245	End	469
GI	none	Score	102
Exons	245..466, 251..469		
Seq. No.	28519	Seq. ID	OJ000250_77.0222.C16
Gene No.	58872	Strand	+
Start	525	End	660
Name	OJ000250_77.0222.C16.o1.gs	Method	GENSCAN
Start	525	End	660
GI	none	Score	.85
Exons	525..660		
Seq. No.	28520	Seq. ID	OJ000250_77.0222.C18
Gene No.	58873	Strand	-
Start	276	End	323
Name	OJ000250_77.0222.C18.o1.gs	Method	GENSCAN
Start	276	End	323
GI	none	Score	.62
Exons	276..323		
Seq. No.	28521	Seq. ID	OJ000250_77.0222.C19
Gene No.	58874	Strand	+
Start	263	End	1423
Name	OJ000250_77.0222.C19.o1.gs	Method	GENSCAN
Start	263	End	1358
GI	none	Score	.5
Exons	263..388, 1279..1358		
Seq. No.	28521	Seq. ID	OJ000250_77.0222.C19
Gene No.	58874	Strand	+
Start	263	End	1423
Name	OJ000250_77.0222.C19.o1.np	Method	AAT/NAP
Start	263	End	1423
GI	6322602	Score	70
Exons	263..388, 1279..1423		
GI Descrip.	Yjr142wp gi|1352938|sp|P47173|YJ9J_YEAST HYPOTHETICAL 39.7 KD PROTEIN IN HOM6-PMT4 INTERGENIC REGION gi|1077920|pir||S57165 hypothetical protein YJR142w - yeast (Saccharomyces cerevisiae) gi|1015886|emb|CAA89675| (Z49642) ORF YJR142w [Saccharomyces cerevisiae]		
Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58875	Strand	+
Start	795	End	853
Name	OJ000250_77.0222.C20.o1.gp	Method	AAT/GAP
Start	795	End	853
GI	2312838	Score	69
Exons	795..853		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon		

4-coumarate-CoA ligase gene, intron 1, partial sequence

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58876	Strand	+
Start	4946	End	6462
Name	OJ000250_77.0222.C20.o1.gs	Method	GENSCAN
Start	4946	End	6462
GI	none	Score	.62
Exons	4946..4993, 6394..6462		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58877	Strand	+
Start	8529	End	13058
Name	OJ000250_77.0222.C20.o2.gs	Method	GENSCAN
Start	8529	End	10031
GI	none	Score	.9
Exons	8529..8634, 9593..9615, 9822..10031		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58877	Strand	+
Start	8529	End	13058
Name	OJ000250_77.0222.C20.o2.gp	Method	AAT/GAP
Start	9809	End	11761
GI	1632726	Score	703
Exons	9809..10026, 11602..11761		
GI Descrip.	3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58877	Strand	+
Start	8529	End	13058
Name	OJ000250_77.0222.C20.o1.np	Method	AAT/NAP
Start	9879	End	13058
GI	3540199	Score	1763
Exons	9879..10026, 11602..12554, 12642..13058		
GI Descrip.	(AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58877	Strand	+
Start	8529	End	13058
Name	OJ000250_77.0222.C20.o3.gp	Method	AAT/GAP
Start	11797	End	12256
GI	45256_1.R1084	Score	912
Exons	11797..12256		
GI Descrip.	'3540199 6.0e-53 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58878	Strand	+
Start	12977	End	13425
Name	OJ000250_77.0222.C20.o4.gp	Method	AAT/GAP
Start	12977	End	13425
GI	none	Score	883
Exons	12977..13425		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20

Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o1.ts	Method	TBLASTX:Soybean
Start	9936	End	12449
GI	none	Score	104
Exons	9936..10019, 9956..10051, 11598..12449, 11600..11830, 11918..12448		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o3.tm	Method	TBLASTX:Maize
Start	9936	End	11927
GI	none	Score	69
Exons	9936..10019, 11598..11660, 11658..11927		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o1.tc	Method	TBLASTX:Cress
Start	9942	End	13060
GI	none	Score	81
Exons	9942..10019, 11598..11654, 11600..11653, 11688..12053, 11702..12217, 12063..12158, 12162..12323, 12318..12560, 12678..13049, 12698..13060		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o3.gs	Method	GENSCAN
Start	11553	End	22808
GI	none	Score	.86
Exons	11553..12563, 12750..13117, 13854..13896, 15452..15497, 15794..15872, 17493..17622, 17885..18001, 18191..18269, 18865..18973, 19837..19948, 21535..21658, 22720..22808		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o2.tm	Method	TBLASTX:Maize
Start	11976	End	12323
GI	none	Score	373
Exons	11976..12323, 11990..12316		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	12357	End	13052
GI	none	Score	169
Exons	12357..12560, 12359..12565, 12678..12998, 12695..13021, 12993..13052		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o2.ts	Method	TBLASTX:Soybean

Start	12495	End	13043
GI	none	Score	65
Exons	12495..12557, 12678..13001, 12683..13021, 13008..13043		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o1.tw	Method	TBLASTX:Wheat
Start	12698	End	13055
GI	none	Score	366
Exons	12698..13033, 12699..13055		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o5.gp	Method	AAT/GAP
Start	17265	End	17622
GI	37281_1.R1084	Score	527
Exons	17265..17622		
GI Descrip.	'4006890/emb|CAB16820.1| 2.0e-27 (Z99708) ubiquitin--protein ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o6.gp	Method	AAT/GAP
Start	17465	End	18001
GI	37281_1.R1084	Score	457
Exons	17465..17622, 17885..18001		
GI Descrip.	'4006890/emb|CAB16820.1| 2.0e-27 (Z99708) ubiquitin--protein ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o2.tw	Method	TBLASTX:Wheat
Start	17485	End	17920
GI	none	Score	157
Exons	17485..17622, 17486..17602, 17888..17920		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o2.np	Method	AAT/NAP
Start	17488	End	19945
GI	6635457	Score	574
Exons	17488..17622, 17885..18001, 18191..18269, 18865..18973, 19837..19945		
GI Descrip.	(AF202771) RUB1 conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o2.tc	Method	TBLASTX:Cress
Start	17491	End	19918
GI	none	Score	68
Exons	17491..17535, 17535..17621, 17542..17622, 17888..18001,		

17904..18002, 17931..18002, 18191..18274, 18867..18974,
18868..18978, 19838..19918

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o4.tm	Method	TBLASTX:Maize
Start	17491	End	19972
GI	none	Score	94
Exons	17491..17622, 17492..17602, 17886..17993, 17888..18004, 17888..18001, 18188..18274, 18837..18974, 18864..18974, 18868..18978, 19838..19972, 19845..19970		

Seq. No.	28522	Seq. ID	OJ000250_77.0222.C20
Gene No.	58879	Strand	-
Start	11553	End	22808
Name	OJ000250_77.0222.C20.o7.gp	Method	AAT/GAP
Start	18817	End	21679
GI	35290_1.R1084	Score	636
Exons	18817..18973, 19837..19948, 21535..21679		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	28523	Seq. ID	OJ000250_77.0222.C21
Gene No.	58880	Strand	+
Start	13681	End	14879
Name	OJ000250_77.0222.C21.o1.np	Method	AAT/NAP
Start	13681	End	14879
GI	6907087	Score	371
Exons	13681..14054, 14100..14879		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28523	Seq. ID	OJ000250_77.0222.C21
Gene No.	58881	Strand	-
Start	8100	End	8538
Name	OJ000250_77.0222.C21.o2.gs	Method	GENSCAN
Start	8100	End	8538
GI	none	Score	.92
Exons	8100..8224, 8325..8538		

Seq. No.	28524	Seq. ID	OJ000250_77.0222.C22
Gene No.	58882	Strand	+
Start	1	End	131
Name	OJ000250_77.0222.C22.o1.np	Method	AAT/NAP
Start	1	End	131
GI	6907087	Score	137
Exons	1..131		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28524	Seq. ID	OJ000250_77.0222.C22
Gene No.	58883	Strand	-
Start	668	End	1448
Name	OJ000250_77.0222.C22.o2.np	Method	AAT/NAP

Start	526	End	1448
GI	4680186	Score	124
Exons	526..722, 1406..1448		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28524	Seq. ID	OJ000250_77.0222.C22
Gene No.	58883	Strand	-
Start	668	End	1448
Name	OJ000250_77.0222.C22.o1.gs	Method	GENSCAN
Start	668	End	826
GI	none	Score	.6
Exons	668..826		

Seq. No.	28525	Seq. ID	OJ000250_77.0222.C24
Gene No.	58884	Strand	+
Start	518	End	908
Name	OJ000250_77.0222.C24.o1.gs	Method	GENSCAN
Start	518	End	908
GI	none	Score	.95
Exons	518..631, 743..908		

Seq. No.	28525	Seq. ID	OJ000250_77.0222.C24
Gene No.	58885	Strand	-
Start	662	End	717
Name	OJ000250_77.0222.C24.o1.gp	Method	AAT/GAP
Start	662	End	717
GI	2312838	Score	70
Exons	662..717		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58886	Strand	+
Start	78	End	435
Name	OJ000250_77.0222.C26.o1.gs	Method	GENSCAN
Start	78	End	435
GI	none	Score	.77
Exons	78..132, 299..435		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58887	Strand	-
Start	1083	End	5604
Name	OJ000250_77.0222.C26.o2.gs	Method	GENSCAN
Start	1083	End	5604
GI	none	Score	.4
Exons	1083..1256, 1477..1565, 2592..2826, 3283..3387, 4423..4470, 5410..5604		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o7.tm	Method	TBLASTX:Maize
Start	2407	End	2733
GI	none	Score	235
Exons	2407..2733		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26

Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o9.tm	Method	TBLASTX:Maize
Start	2977	End	3345
GI	none	Score	58
Exons	2977..3084, 2978..3079, 3094..3153, 3148..3246, 3148..3246, 3214..3345, 3242..3307		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o5.tw	Method	TBLASTX:Wheat
Start	3025	End	3303
GI	none	Score	92
Exons	3025..3246, 3026..3259, 3217..3303		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o5.tm	Method	TBLASTX:Maize
Start	3346	End	4255
GI	none	Score	246
Exons	3346..3465, 3484..3711, 3750..3866, 3866..4255		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o6.tw	Method	TBLASTX:Wheat
Start	4013	End	4348
GI	none	Score	160
Exons	4013..4132, 4106..4348		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o3.gs	Method	GENSCAN
Start	5884	End	13258
GI	none	Score	.41
Exons	5884..5986, 6155..6344, 6494..6631, 6756..6854, 6995..7225, 8867..8975, 9161..10267, 10487..10724, 11847..12013, 12086..12607, 12767..13258		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o4.tm	Method	TBLASTX:Maize
Start	8571	End	9328
GI	none	Score	37
Exons	8571..8621, 8718..9074, 8965..9045, 9062..9289, 9066..9194, 9308..9328		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o1.np	Method	AAT/NAP
Start	8632	End	12921
GI	6466937	Score	2121

Exons	8632..12269, 12304..12921		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o2.tw	Method	TBLASTX:Wheat
Start	9128	End	9712
GI	none	Score	100
Exons	9128..9268, 9320..9712, 9333..9620		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o1.tm	Method	TBLASTX:Maize
Start	9332	End	9967
GI	none	Score	407
Exons	9332..9967, 9333..9965		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o1.ts	Method	TBLASTX:Soybean
Start	9560	End	9943
GI	none	Score	188
Exons	9560..9943, 9585..9932		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o1.tw	Method	TBLASTX:Wheat
Start	9800	End	10219
GI	none	Score	121
Exons	9800..10219, 9801..9971, 10023..10202		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o6.tm	Method	TBLASTX:Maize
Start	9968	End	10379
GI	none	Score	79
Exons	9968..10198, 10214..10378, 10221..10379		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o3.ts	Method	TBLASTX:Soybean
Start	10374	End	10630
GI	none	Score	90
Exons	10374..10616, 10376..10630		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o2.tm	Method	TBLASTX:Maize
Start	10391	End	10918

GI	none	Score	304
Exons	10391..10918, 10392..10910		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o4.tw	Method	TBLASTX:Wheat
Start	10541	End	10942
GI	none	Score	116
Exons	10541..10942, 10578..10853		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o2.ts	Method	TBLASTX:Soybean
Start	10667	End	11014
GI	none	Score	99
Exons	10667..11014, 10668..10853, 10908..11006		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o3.tm	Method	TBLASTX:Maize
Start	10937	End	11409
GI	none	Score	150
Exons	10937..11218, 10941..11216, 11215..11409, 11218..11409		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o3.tw	Method	TBLASTX:Wheat
Start	10991	End	11472
GI	none	Score	77
Exons	10991..11215, 11028..11234, 11218..11472, 11219..11371		

Seq. No.	28526	Seq. ID	OJ000250_77.0222.C26
Gene No.	58888	Strand	-
Start	5884	End	13258
Name	OJ000250_77.0222.C26.o8.tm	Method	TBLASTX:Maize
Start	11680	End	12238
GI	none	Score	114
Exons	11680..11769, 11864..12055, 12071..12238		

Seq. No.	28527	Seq. ID	OJ000250_77.0222.C28
Gene No.	58889	Strand	+
Start	50	End	667
Name	OJ000250_77.0222.C28.o1.gs	Method	GENSCAN
Start	50	End	667
GI	none	Score	.7
Exons	50..102, 661..667		

Seq. No.	28528	Seq. ID	OJ000250_77.0222.C29
Gene No.	58890	Strand	-
Start	1399	End	1744
Name	OJ000250_77.0222.C29.o1.gs	Method	GENSCAN
Start	1399	End	1744
GI	none	Score	.54

Exons	1399..1516, 1683..1744		
Seq. No.	28529	Seq. ID	OJ000250_77.0222.C30
Gene No.	58891	Strand	+
Start	53	End	2482
Name	OJ000250_77.0222.C30.o1.gs	Method	GENSCAN
Start	53	End	1153
GI	none	Score	.54
Exons	53..191, 928..1153		
Seq. No.	28529	Seq. ID	OJ000250_77.0222.C30
Gene No.	58891	Strand	+
Start	53	End	2482
Name	OJ000250_77.0222.C30.o1.np	Method	AAT/NAP
Start	653	End	2482
GI	4680203	Score	515
Exons	653..679, 1947..2482		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28529	Seq. ID	OJ000250_77.0222.C30
Gene No.	58891	Strand	+
Start	53	End	2482
Name	OJ000250_77.0222.C30.o1.gp	Method	AAT/GAP
Start	1477	End	2065
GI	2310235	Score	301
Exons	1477..1514, 1926..2065		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	28529	Seq. ID	OJ000250_77.0222.C30
Gene No.	58891	Strand	+
Start	53	End	2482
Name	OJ000250_77.0222.C30.o2.gs	Method	GENSCAN
Start	1926	End	2385
GI	none	Score	.71
Exons	1926..2385		
Seq. No.	28529	Seq. ID	OJ000250_77.0222.C30
Gene No.	58891	Strand	+
Start	53	End	2482
Name	OJ000250_77.0222.C30.o1.tw	Method	TBLASTX:Wheat
Start	2277	End	2481
GI	none	Score	103
Exons	2277..2384, 2367..2480, 2375..2470, 2376..2480, 2377..2481		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58892	Strand	+
Start	1	End	3546
Name	OJ000250_77.0222.C31.o1.gp	Method	AAT/GAP
Start	1	End	3410
GI	342_1.R1084	Score	5682
Exons	1..2695, 2731..2750, 2833..2930, 3040..3410		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58892	Strand	+

Start	1	End	3546
Name	OJ000250_77.0222.C31.o6.gp	Method	AAT/GAP
Start	1	End	3546
GI	342_1.R1084	Score	5919
Exons	1..2695, 2731..2750, 2833..2930, 3040..3546		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58892	Strand	+
Start	1	End	3546
Name	OJ000250_77.0222.C31.o2.gp	Method	AAT/GAP
Start	1	End	3413
GI	342_1.R1084	Score	5688
Exons	1..2695, 2731..2750, 2833..2930, 3040..3413		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58892	Strand	+
Start	1	End	3546
Name	OJ000250_77.0222.C31.o1.np	Method	AAT/NAP
Start	132	End	2091
GI	6742729	Score	3161
Exons	132..2091		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o2.tc	Method	TBLASTX:Cress
Start	125	End	419
GI	none	Score	269
Exons	125..256, 126..419, 296..391		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o1.ts	Method	TBLASTX:Soybean
Start	126	End	371
GI	none	Score	233
Exons	126..371, 129..353		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o2.tw	Method	TBLASTX:Wheat
Start	240	End	708
GI	none	Score	72
Exons	240..293, 248..292, 294..398, 305..394, 412..498, 413..499, 479..703, 499..708, 501..704, 502..708		

Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o1.tm	Method	TBLASTX:Maize
Start	285	End	742

GI	none	Score	108
Exons	285..413, 297..419, 413..538, 419..538, 548..742		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o2.ts	Method	TBLASTX:Soybean
Start	572	End	814
GI	none	Score	216
Exons	572..814		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o3.tw	Method	TBLASTX:Wheat
Start	848	End	1257
GI	none	Score	84
Exons	848..910, 850..897, 916..1137, 920..1138, 1166..1255, 1171..1257, 1172..1255		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o1.tw	Method	TBLASTX:Wheat
Start	1258	End	2575
GI	none	Score	879
Exons	1258..2160, 1259..2176, 2171..2215, 2175..2210, 2218..2313, 2222..2281, 2260..2400, 2261..2401, 2414..2494, 2483..2575		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o2.tm	Method	TBLASTX:Maize
Start	1301	End	1615
GI	none	Score	316
Exons	1301..1615, 1312..1587, 1385..1615		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o1.tc	Method	TBLASTX:Cress
Start	1542	End	1993
GI	none	Score	154
Exons	1542..1724, 1546..1881, 1546..1989, 1550..1993, 1844..1993		
Seq. No.	28530	Seq. ID	OJ000250_77.0222.C31
Gene No.	58893	Strand	-
Start	2269	End	2686
Name	OJ000250_77.0222.C31.o3.gp	Method	AAT/GAP
Start	2269	End	2686
GI	LIB3431-028-P1-N1-A10	Score	836
Exons	2269..2686		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	28531	Seq. ID	OJ000250_77.0222.C32
Gene No.	58894	Strand	+

Start	1	End	190
Name	OJ000250_77.0222.C32.o1.np	Method	AAT/NAP
Start	1	End	190
GI	3845248	Score	92
Exons	1..190		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	28532	Seq. ID	OJ000250_77.0222.C33
Gene No.	58895	Strand	+
Start	1	End	3134
Name	OJ000250_77.0222.C33.o1.np	Method	AAT/NAP
Start	1	End	3134
GI	4680204	Score	821
Exons	1..873, 948..2047, 2157..2330, 2427..2646, 2997..3134		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28532	Seq. ID	OJ000250_77.0222.C33
Gene No.	58895	Strand	+
Start	1	End	3134
Name	OJ000250_77.0222.C33.o1.gs	Method	GENSCAN
Start	133	End	2562
GI	none	Score	.75
Exons	133..296, 543..708, 754..873, 948..1089, 1215..1360, 1362..1569, 1771..2047, 2157..2330, 2427..2562		

Seq. No.	28532	Seq. ID	OJ000250_77.0222.C33
Gene No.	58896	Strand	-
Start	3501	End	3644
Name	OJ000250_77.0222.C33.o1.tw	Method	TBLASTX:Wheat
Start	91	End	483
GI	none	Score	199
Exons	91..231, 94..318, 183..350, 313..483		

Seq. No.	28532	Seq. ID	OJ000250_77.0222.C33
Gene No.	58896	Strand	-
Start	3501	End	3644
Name	OJ000250_77.0222.C33.o2.tw	Method	TBLASTX:Wheat
Start	1974	End	2496
GI	none	Score	60
Exons	1974..2054, 2143..2325, 2193..2318, 2425..2496		

Seq. No.	28532	Seq. ID	OJ000250_77.0222.C33
Gene No.	58896	Strand	-
Start	3501	End	3644
Name	OJ000250_77.0222.C33.o1.gp	Method	AAT/GAP
Start	3501	End	3644
GI	21474_1.R1084	Score	247
Exons	3501..3644		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58897	Strand	+
Start	890	End	4899
Name	OJ000250_77.0222.C34.o1.gs	Method	GENSCAN
Start	890	End	4899
GI	none	Score	.56

Exons	890..1175, 2080..2237, 3502..3616, 4384..4533, 4805..4899		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58897	Strand	+
Start	890	End	4899
Name	OJ000250_77.0222.C34.o1.gp	Method	AAT/GAP
Start	2532	End	3061
GI	LIB3475-007-P1-K1-E8	Score	683
Exons	2532..2594, 2670..3061		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o1.np	Method	AAT/NAP
Start	9093	End	14470
GI	6498441	Score	5128
Exons	9093..9374, 9468..10870, 11057..11699, 11875..12009, 12193..12566, 12630..13080, 13407..14470		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o6.tw	Method	TBLASTX:Wheat
Start	9102	End	18004
GI	none	Score	76
Exons	9102..9227, 9106..9228, 9287..9565, 9414..9689, 9421..9561, 9601..9678, 9601..9690, 17942..18004		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o3.gs	Method	GENSCAN
Start	9177	End	14906
GI	none	Score	.5
Exons	9177..10669, 10831..11191, 11255..11571, 11864..12012, 12193..12505, 12620..13151, 13208..13477, 13508..13920, 14133..14318, 14394..14564, 14584..14708, 14710..14906		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o4.tw	Method	TBLASTX:Wheat
Start	9691	End	10086
GI	none	Score	180
Exons	9691..9984, 9705..10085, 10030..10086		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o2.tm	Method	TBLASTX:Maize
Start	9889	End	10223
GI	none	Score	174

Exons	9889..10029, 9900..10223, 9913..10104		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o8.tw	Method	TBLASTX:Wheat
Start	10389	End	10679
GI	none	Score	197
Exons	10389..10679		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o2.ts	Method	TBLASTX:Soybean
Start	10494	End	11062
GI	5666795	Score	61
Exons	10494..10676, 10736..10873, 10964..11062		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o5.tw	Method	TBLASTX:Wheat
Start	10736	End	11185
GI	none	Score	94
Exons	10736..10888, 10737..10877, 10941..11117, 10961..11185		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o1.ts	Method	TBLASTX:Soybean
Start	11537	End	11909
GI	none	Score	77
Exons	11537..11767, 11763..11909, 11767..11895		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o2.tw	Method	TBLASTX:Wheat
Start	11567	End	11987
GI	none	Score	77
Exons	11567..11749, 11567..11773, 11583..11771, 11763..11987, 11764..11982		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o3.tm	Method	TBLASTX:Maize
Start	11660	End	12045
GI	none	Score	52
Exons	11660..11770, 11664..11774, 11766..12044, 11767..12045		
Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o1.tm	Method	TBLASTX:Maize
Start	12072	End	12428

GI	none	Score	198
Exons	12072..12428, 12082..12387		

Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o1.tw	Method	TBLASTX:Wheat
Start	12096	End	12558
GI	none	Score	191
Exons	12096..12557, 12096..12557, 12097..12558		

Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o3.tw	Method	TBLASTX:Wheat
Start	12666	End	13175
GI	none	Score	168
Exons	12666..13157, 12768..13175		

Seq. No.	28533	Seq. ID	OJ000250_77.0222.C34
Gene No.	58898	Strand	-
Start	9177	End	18004
Name	OJ000250_77.0222.C34.o7.tw	Method	TBLASTX:Wheat
Start	13931	End	14324
GI	none	Score	56
Exons	13931..14104, 13965..14075, 14049..14105, 14110..14202, 14170..14268, 14171..14272, 14244..14324		

Seq. No.	28534	Seq. ID	OJ000250_77.0222.C35
Gene No.	58899	Strand	+
Start	1	End	2515
Name	OJ000250_77.0222.C35.o1.np	Method	AAT/NAP
Start	1	End	269
GI	6539588	Score	156
Exons	1..269		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28534	Seq. ID	OJ000250_77.0222.C35
Gene No.	58899	Strand	+
Start	1	End	2515
Name	OJ000250_77.0222.C35.o1.gs	Method	GENSCAN
Start	52	End	2515
GI	none	Score	.81
Exons	52..240, 2368..2515		

Seq. No.	28534	Seq. ID	OJ000250_77.0222.C35
Gene No.	58900	Strand	+
Start	8728	End	9132
Name	OJ000250_77.0222.C35.o3.gs	Method	GENSCAN
Start	8728	End	9132
GI	none	Score	.78
Exons	8728..9132		

Seq. No.	28534	Seq. ID	OJ000250_77.0222.C35
Gene No.	58901	Strand	-
Start	3936	End	8218
Name	OJ000250_77.0222.C35.o2.gs	Method	GENSCAN

Start	3936	End	8218
GI	none	Score	.46
Exons	3936..4042, 5957..6018, 6057..6144, 8167..8218		

Seq. No.	28535	Seq. ID	OJ000250_77.0222.C36
Gene No.	58902	Strand	-
Start	432	End	1307
Name	OJ000250_77.0222.C36.o1.gs	Method	GENSCAN
Start	432	End	1307
GI	none	Score	.97
Exons	432..626, 1221..1307		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755
Name	OJ000250_69.0214.C1.o1.np	Method	AAT/NAP
Start	1	End	755
GI	5545339	Score	355
Exons	1..33, 120..527, 622..755		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755
Name	OJ000250_69.0214.C1.o1.gs	Method	GENSCAN
Start	58	End	540
GI	none	Score	.78
Exons	58..540		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755
Name	OJ000250_69.0214.C1.o1.tc	Method	TBLASTX:Cress
Start	151	End	754
GI	none	Score	133
Exons	151..336, 331..495, 620..754		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755
Name	OJ000250_69.0214.C1.o1.tm	Method	TBLASTX:Maize
Start	219	End	754
GI	none	Score	64
Exons	219..278, 220..279, 334..498, 378..497, 620..754, 665..742, 694..753		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755
Name	OJ000250_69.0214.C1.o1.ts	Method	TBLASTX:Soybean
Start	265	End	754
GI	none	Score	51
Exons	265..321, 331..528, 417..536, 617..754, 617..754		

Seq. No.	28536	Seq. ID	OJ000250_69.0214.C1
Gene No.	58903	Strand	+
Start	1	End	755

Name	OJ000250_69.0214.C1.o1.tw	Method	TBLASTX:Wheat
Start	325	End	715
GI	none	Score	153
Exons	325..528, 336..536, 605..715		

Seq. No.	28537	Seq. ID	OJ000250_69.0214.C2
Gene No.	58904	Strand	+
Start	1	End	604
Name	OJ000250_69.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	604
GI	5091513	Score	1048
Exons	1..604		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	28537	Seq. ID	OJ000250_69.0214.C2
Gene No.	58904	Strand	+
Start	1	End	604
Name	OJ000250_69.0214.C2.o1.gs	Method	GENSCAN
Start	89	End	594
GI	none	Score	.96
Exons	89..594		

Seq. No.	28538	Seq. ID	OJ000250_69.0214.C6
Gene No.	58905	Strand	+
Start	1	End	199
Name	OJ000250_69.0214.C6.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	none	Score	378
Exons	1..199		

Seq. No.	28539	Seq. ID	OJ000250_69.0214.C7
Gene No.	58906	Strand	-
Start	603	End	1564
Name	OJ000250_69.0214.C7.o1.gs	Method	GENSCAN
Start	603	End	1564
GI	none	Score	.68
Exons	603..704, 1457..1564		

Seq. No.	28540	Seq. ID	OJ000250_69.0214.C8
Gene No.	58907	Strand	+
Start	399	End	556
Name	OJ000250_69.0214.C8.o1.gs	Method	GENSCAN
Start	399	End	556
GI	none	Score	.59
Exons	399..556		

Seq. No.	28540	Seq. ID	OJ000250_69.0214.C8
Gene No.	58908	Strand	+
Start	1165	End	1315
Name	OJ000250_69.0214.C8.o1.np	Method	AAT/NAP
Start	1165	End	1315
GI	6721512	Score	50
Exons	1165..1315		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28541	Seq. ID	OJ000250_69.0214.C9
Gene No.	58909	Strand	-

Start	968	End	6070
Name	OJ000250_69.0214.C9.o1.np	Method	AAT/NAP
Start	968	End	5358
GI	5091513	Score	2415
Exons	968..1056, 1929..2550, 2688..3324, 4067..4922, 5301..5358		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	28541	Seq. ID	OJ000250_69.0214.C9
Gene No.	58909	Strand	-
Start	968	End	6070
Name	OJ000250_69.0214.C9.o1.gs	Method	GENSCAN
Start	1126	End	6070
GI	none	Score	.71
Exons	1126..1452, 1757..2010, 2145..2625, 2640..3360, 3996..4987, 5285..5345, 5886..6070		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58910	Strand	+
Start	1	End	3806
Name	OJ000250_69.0214.C10.o2.np	Method	AAT/NAP
Start	1	End	3806
GI	6063554	Score	168
Exons	1..32, 2238..2475, 3632..3806		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58910	Strand	+
Start	1	End	3806
Name	OJ000250_69.0214.C10.o1.np	Method	AAT/NAP
Start	204	End	1464
GI	4680179	Score	1971
Exons	204..1464		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58910	Strand	+
Start	1	End	3806
Name	OJ000250_69.0214.C10.o1.gs	Method	GENSCAN
Start	265	End	1467
GI	none	Score	.59
Exons	265..1467		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o2.tw	Method	TBLASTX:Wheat
Start	202	End	453
GI	none	Score	391
Exons	202..453, 204..449		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o1.ts	Method	TBLASTX:Soybean
Start	241	End	501

GI	none	Score	301
Exons	241..501, 252..500		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o2.tm	Method	TBLASTX:Maize
Start	299	End	591
GI	none	Score	145
Exons	299..502, 300..587, 300..587, 301..591		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o1.tw	Method	TBLASTX:Wheat
Start	460	End	1086
GI	none	Score	723
Exons	460..1086, 519..965, 1026..1085		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o1.tm	Method	TBLASTX:Maize
Start	639	End	1224
GI	none	Score	229
Exons	639..794, 640..801, 798..962, 799..1224, 1026..1223		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o3.tw	Method	TBLASTX:Wheat
Start	1086	End	1419
GI	none	Score	314
Exons	1086..1367, 1087..1419		

Seq. No.	28542	Seq. ID	OJ000250_69.0214.C10
Gene No.	58911	Strand	-
Start	1731	End	2594
Name	OJ000250_69.0214.C10.o2.gs	Method	GENSCAN
Start	1731	End	2594
GI	none	Score	.69
Exons	1731..2594		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58912	Strand	+
Start	10624	End	11521
Name	OJ000250_69.0214.C11.o3.gs	Method	GENSCAN
Start	10624	End	11521
GI	none	Score	.52
Exons	10624..10957, 11016..11153, 11202..11521		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58913	Strand	+
Start	21644	End	26045
Name	OJ000250_69.0214.C11.o1.gp	Method	AAT/GAP
Start	21439	End	21882
GI	2428769	Score	830

Exons	21439..21882		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58913	Strand	+
Start	21644	End	26045
Name	OJ000250_69.0214.C11.o6.gs	Method	GENSCAN
Start	21644	End	26045
GI	none	Score	.75
Exons	21644..25895, 25912..26045		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58913	Strand	+
Start	21644	End	26045
Name	OJ000250_69.0214.C11.o2.np	Method	AAT/NAP
Start	21683	End	25933
GI	5734736	Score	2843
Exons	21683..22262, 22305..22599, 22654..24001, 24140..25933		
GI Descrip.	(AC007259) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58914	Strand	+
Start	26190	End	26681
Name	OJ000250_69.0214.C11.o2.gp	Method	AAT/GAP
Start	26190	End	26681
GI	2428769	Score	309
Exons	26190..26355, 26646..26681		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58915	Strand	-
Start	1312	End	10782
Name	OJ000250_69.0214.C11.o1.np	Method	AAT/NAP
Start	281	End	10782
GI	6729489	Score	759
Exons	281..401, 1389..1981, 2076..2500, 3244..3450, 8494..9205, 10683..10782		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58915	Strand	-
Start	1312	End	10782
Name	OJ000250_69.0214.C11.o1.gs	Method	GENSCAN
Start	1312	End	5752
GI	none	Score	.52
Exons	1312..1981, 2076..2514, 2520..3595, 4733..4831, 5279..5473, 5664..5752		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58915	Strand	-
Start	1312	End	10782
Name	OJ000250_69.0214.C11.o2.gs	Method	GENSCAN
Start	7148	End	9341
GI	none	Score	.78
Exons	7148..7817, 7915..9341		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58916	Strand	-

Start	11621	End	13248
Name	OJ000250_69.0214.C11.o4.gs	Method	GENSCAN
Start	11621	End	13248
GI	none	Score	.69
Exons	11621..11683, 11755..11900, 12187..12345, 12409..12539, 12544..12968, 12994..13248		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58917	Strand	-
Start	13568	End	21154
Name	OJ000250_69.0214.C11.o5.gs	Method	GENSCAN
Start	13568	End	21154
GI	none	Score	.72
Exons	13568..13945, 14457..14478, 15663..15714, 16849..16994, 17748..17764, 19384..19558, 19612..20076, 20193..21154		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	1402	End	20287
GI	none	Score	70
Exons	1402..1635, 1415..1633, 1450..1635, 1621..1734, 1672..1800, 1673..1789, 1822..2004, 1823..1909, 2072..2164, 7238..7471, 7286..7471, 7497..7625, 7508..7636, 7658..7780, 7658..7819, 7905..8003, 19509..19730, 19545..19721, 19756..19884, 19764..19895, 19912..20079, 19917..20093, 20190..20282, 20192..20287		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o2.tc	Method	TBLASTX:Cress
Start	1432	End	20842
GI	none	Score	90
Exons	1432..1641, 1663..1800, 1673..1789, 1804..1983, 1822..1986, 2108..2272, 2267..2452, 2698..2808, 2932..3057, 7268..7492, 7508..7636, 7509..7640, 7640..7819, 7658..7822, 7947..8105, 8106..8291, 8562..8672, 8796..8921, 19527..19736, 19767..19895, 19768..19899, 19899..20093, 19921..20079, 20076..20105, 20225..20383, 20384..20569, 20741..20842		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o3.ts	Method	TBLASTX:Soybean
Start	1672	End	20548
GI	none	Score	78
Exons	1672..1800, 1676..1813, 1831..1986, 2099..2260, 2315..2410, 7508..7636, 7512..7646, 7667..7822, 7733..7786, 7938..8099, 8154..8249, 19764..19895, 19771..19905, 19926..20093, 20216..20377, 20432..20548		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o4.tw	Method	TBLASTX:Wheat

Start	1756	End	20356
GI	none	Score	86
Exons	1756..1983, 2090..2239, 7592..7819, 7929..8078, 19851..20093, 20207..20356		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o9.tm	Method	TBLASTX:Maize
Start	2171	End	20533
GI	none	Score	111
Exons	2171..2269, 2172..2261, 2304..2399, 2315..2416, 8010..8108, 8011..8100, 8143..8238, 8154..8255, 20288..20386, 20289..20378, 20418..20513, 20432..20533		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o6.ts	Method	TBLASTX:Soybean
Start	2704	End	26534
GI	none	Score	88
Exons	2704..2823, 2935..3024, 3088..3186, 3220..3282, 8547..8687, 8799..8888, 8952..9050, 9084..9167, 20753..20872, 20975..21031, 21047..21085, 21119..21181, 26391..26429, 26436..26534		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o8.tm	Method	TBLASTX:Maize
Start	2839	End	21086
GI	none	Score	131
Exons	2839..3033, 2879..3028, 8703..8897, 8710..8892, 20888..21037, 20895..21044, 21041..21085, 21057..21086		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o10.tm	Method	TBLASTX:Maize
Start	21639	End	21924
GI	none	Score	55
Exons	21639..21680, 21707..21922, 21712..21924		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o5.tw	Method	TBLASTX:Wheat
Start	21818	End	22213
GI	none	Score	229
Exons	21818..22213, 22091..22189		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o5.tm	Method	TBLASTX:Maize
Start	21938	End	22336
GI	none	Score	194
Exons	21938..22141, 21943..22137, 21950..22147, 22153..22242,		

22154..22264, 22244..22336

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o6.tm	Method	TBLASTX:Maize
Start	22738	End	23149
GI	none	Score	204
Exons	22738..22914, 22739..22957, 22739..22939, 23018..23149, 23050..23145		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o3.tw	Method	TBLASTX:Wheat
Start	22759	End	23215
GI	none	Score	176
Exons	22759..22962, 22760..23005, 23021..23128, 23129..23215		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o5.ts	Method	TBLASTX:Soybean
Start	23153	End	23482
GI	none	Score	245
Exons	23153..23482, 23194..23346, 23249..23329		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o1.tw	Method	TBLASTX:Wheat
Start	23288	End	23854
GI	none	Score	356
Exons	23288..23749, 23290..23742, 23753..23854		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o2.tm	Method	TBLASTX:Maize
Start	23495	End	23920
GI	none	Score	389
Exons	23495..23836, 23506..23835, 23858..23920		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o1.ts	Method	TBLASTX:Soybean
Start	23522	End	24022
GI	none	Score	420
Exons	23522..24022, 23530..23817		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o3.tc	Method	TBLASTX:Cress
Start	23537	End	23986
GI	none	Score	310

Exons	23537..23986, 23539..23619, 23540..23704, 23647..23817		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o2.ts	Method	TBLASTX:Soybean
Start	24377	End	24886
GI	5509260	Score	412
Exons	24377..24886, 24430..24672, 24709..24885		
GI Descrip.	-		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o3.tm	Method	TBLASTX:Maize
Start	24416	End	24730
GI	none	Score	380
Exons	24416..24730, 24422..24631, 24430..24729		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o4.tc	Method	TBLASTX:Cress
Start	24508	End	24769
GI	none	Score	267
Exons	24508..24750, 24509..24769		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o2.tw	Method	TBLASTX:Wheat
Start	24550	End	25090
GI	none	Score	314
Exons	24550..24891, 24551..24895, 24695..24895, 24881..25090		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o7.tm	Method	TBLASTX:Maize
Start	24731	End	25084
GI	none	Score	213
Exons	24731..25084, 24733..24987		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o3.np	Method	AAT/NAP
Start	24905	End	26633
GI	478433	Score	144
Exons	24905..24926, 26337..26633		
GI Descrip.	galactose-specific isolectin A chain - Erythrina variegata		
Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o4.tm	Method	TBLASTX:Maize
Start	25199	End	25585

GI	none	Score	349
Exons	25199..25585, 25207..25578		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o1.tc	Method	TBLASTX:Cress
Start	25238	End	25900
GI	none	Score	251
Exons	25238..25519, 25238..25339, 25396..25506, 25535..25585, 25649..25900, 25684..25809		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o4.ts	Method	TBLASTX:Soybean
Start	25259	End	25909
GI	none	Score	131
Exons	25259..25420, 25288..25386, 25433..25585, 25532..25831, 25649..25909, 25720..25908		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o6.tw	Method	TBLASTX:Wheat
Start	25427	End	25870
GI	none	Score	113
Exons	25427..25585, 25451..25630, 25676..25870, 25678..25869		

Seq. No.	28543	Seq. ID	OJ000250_69.0214.C11
Gene No.	58918	Strand	-
Start	24905	End	26711
Name	OJ000250_69.0214.C11.o7.gs	Method	GENSCAN
Start	26232	End	26711
GI	none	Score	.96
Exons	26232..26711		

Seq. No.	28544	Seq. ID	OJ000250_69.0214.C12
Gene No.	58919	Strand	+
Start	220	End	304
Name	OJ000250_69.0214.C12.o1.gs	Method	GENSCAN
Start	220	End	304
GI	none	Score	.71
Exons	220..304		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58920	Strand	+
Start	763	End	13608
Name	OJ000250_69.0214.C13.o1.gs	Method	GENSCAN
Start	763	End	13608
GI	none	Score	.63
Exons	763..828, 4978..6496, 6598..7048, 7102..7241, 9531..9610, 11441..11592, 12336..12384, 12632..12735, 12810..13002, 13592..13608		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58920	Strand	+

Start	763	End	13608
Name	OJ000250_69.0214.C13.o1.np	Method	AAT/NAP
Start	4666	End	7174
GI	1418331	Score	726
Exons	4666..4774, 5284..6054, 6112..6496, 6598..7174		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58921	Strand	+
Start	15890	End	20563
Name	OJ000250_69.0214.C13.o3.gs	Method	GENSCAN
Start	15890	End	17542
GI	none	Score	.61
Exons	15890..16063, 16260..16383, 16407..16448, 16590..16655, 17169..17258, 17277..17542		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58921	Strand	+
Start	15890	End	20563
Name	OJ000250_69.0214.C13.o2.np	Method	AAT/NAP
Start	15988	End	20563
GI	5042463	Score	99
Exons	15988..16034, 17617..17787, 18493..18647, 18696..18805, 20541..20563		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58921	Strand	+
Start	15890	End	20563
Name	OJ000250_69.0214.C13.o4.gs	Method	GENSCAN
Start	18843	End	19163
GI	none	Score	.95
Exons	18843..19163		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58922	Strand	-
Start	14080	End	14328
Name	OJ000250_69.0214.C13.o2.gs	Method	GENSCAN
Start	14080	End	14328
GI	none	Score	.95
Exons	14080..14328		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o2.ts	Method	TBLASTX:Soybean
Start	5354	End	5696
GI	none	Score	149
Exons	5354..5494, 5355..5537, 5538..5639, 5585..5638, 5649..5696		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o1.tc	Method	TBLASTX:Cress
Start	5589	End	7123
GI	none	Score	71
Exons	5589..5690, 5832..5927, 6120..6305, 6306..6464, 6593..6748,		

6596..6757, 6610..6753, 6775..6906, 6779..6907, 6923..7123

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o2.tm	Method	TBLASTX:Maize
Start	5589	End	5804
GI	none	Score	224
Exons	5589..5804, 5594..5764		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o1.tm	Method	TBLASTX:Maize
Start	6189	End	7123
GI	none	Score	84
Exons	6189..6275, 6312..6500, 6596..6745, 6613..6906, 6779..6907, 6928..6972, 6989..7123, 7063..7101		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o1.ts	Method	TBLASTX:Soybean
Start	6312	End	6901
GI	none	Score	126
Exons	6312..6476, 6596..6745, 6613..6894, 6779..6901		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o1.tw	Method	TBLASTX:Wheat
Start	6596	End	6910
GI	none	Score	128
Exons	6596..6745, 6778..6906, 6779..6910		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o5.gs	Method	GENSCAN
Start	19390	End	20730
GI	none	Score	.47
Exons	19390..19609, 19670..19907, 20011..20225, 20342..20435, 20475..20730		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o3.np	Method	AAT/NAP
Start	19752	End	20817
GI	6691193	Score	264
Exons	19752..20347, 20766..20817		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	28545	Seq. ID	OJ000250_69.0214.C13
Gene No.	58923	Strand	-
Start	19390	End	20817
Name	OJ000250_69.0214.C13.o2.tw	Method	TBLASTX:Wheat

Start	19921	End	20301
GI	none	Score	62
Exons	19921..20076, 19922..20077, 20158..20301		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58924	Strand	+
Start	4185	End	6183
Name	OJ000250_69.0214.C14.o2.gs	Method	GENSCAN
Start	4185	End	5942
GI	none	Score	.95
Exons	4185..5611, 5857..5942		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58924	Strand	+
Start	4185	End	6183
Name	OJ000250_69.0214.C14.o2.np	Method	AAT/NAP
Start	4212	End	6183
GI	3193302	Score	533
Exons	4212..5195, 5250..5611, 5710..6183		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 166.20) and to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 139.32) [Arabidopsis thaliana]		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58925	Strand	-
Start	1	End	672
Name	OJ000250_69.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	534
GI	1666236	Score	282
Exons	1..534		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58925	Strand	-
Start	1	End	672
Name	OJ000250_69.0214.C14.o1.tw	Method	TBLASTX:Wheat
Start	19	End	366
GI	none	Score	105
Exons	19..231, 250..366		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58925	Strand	-
Start	1	End	672
Name	OJ000250_69.0214.C14.o1.gs	Method	GENSCAN
Start	37	End	672
GI	none	Score	.9
Exons	37..672		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58926	Strand	
Start	4158	End	4961
Name	OJ000250_69.0214.C14.o2.ts	Method	TBLASTX:Soybean
Start	4158	End	4961
GI	none	Score	54
Exons	4158..4313, 4325..4366, 4398..4553, 4415..4552, 4644..4700, 4652..4741, 4713..4760, 4881..4961		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58926	Strand	
Start	4158	End	4961
Name	OJ000250_69.0214.C14.o2.tm	Method	TBLASTX:Maize
Start	4340	End	4653
GI	none	Score	225
Exons	4340..4606, 4404..4652, 4422..4652, 4522..4653		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58927	Strand	
Start	5271	End	5947
Name	OJ000250_69.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	5271	End	5857
GI	none	Score	102
Exons	5271..5393, 5303..5392, 5412..5588, 5708..5857		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58927	Strand	
Start	5271	End	5947
Name	OJ000250_69.0214.C14.o1.tc	Method	TBLASTX:Cress
Start	5322	End	5941
GI	none	Score	69
Exons	5322..5399, 5403..5597, 5708..5941, 5749..5931		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58927	Strand	
Start	5271	End	5947
Name	OJ000250_69.0214.C14.o1.ts	Method	TBLASTX:Soybean
Start	5349	End	5947
GI	none	Score	53
Exons	5349..5405, 5421..5615, 5704..5865, 5705..5869, 5891..5947, 5891..5947		

Seq. No.	28546	Seq. ID	OJ000250_69.0214.C14
Gene No.	58927	Strand	
Start	5271	End	5947
Name	OJ000250_69.0214.C14.o2.tw	Method	TBLASTX:Wheat
Start	5448	End	5935
GI	none	Score	84
Exons	5448..5597, 5708..5935		

Seq. No.	28547	Seq. ID	OJ000250_69.0214.C15
Gene No.	58928	Strand	+
Start	1	End	441
Name	OJ000250_69.0214.C15.o1.np	Method	AAT/NAP
Start	1	End	441
GI	6729489	Score	124
Exons	1..441		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	28547	Seq. ID	OJ000250_69.0214.C15
Gene No.	58928	Strand	+
Start	1	End	441
Name	OJ000250_69.0214.C15.o1.gs	Method	GENSCAN
Start	20	End	382
GI	none	Score	.92

Exons	20..382		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58929	Strand	-
Start	357	End	12469
Name	OJ000250_69.0214.C17.o1.gs	Method	GENSCAN
Start	357	End	7080
GI	none	Score	.68
Exons	357..1352, 1397..1511, 1570..4670, 5085..5113, 5152..5917, 7015..7080		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58929	Strand	-
Start	357	End	12469
Name	OJ000250_69.0214.C17.o1.np	Method	AAT/NAP
Start	360	End	12469
GI	4680179	Score	5433
Exons	360..3761, 3795..4720, 12282..12469		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58929	Strand	-
Start	357	End	12469
Name	OJ000250_69.0214.C17.o1.gp	Method	AAT/GAP
Start	5188	End	5642
GI	95437_1.R1084	Score	770
Exons	5188..5642		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58929	Strand	-
Start	357	End	12469
Name	OJ000250_69.0214.C17.o2.gp	Method	AAT/GAP
Start	6800	End	7185
GI	uC-osflcyp033a04b1	Score	641
Exons	6800..7185		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o6.tw	Method	TBLASTX:Wheat
Start	405	End	738
GI	none	Score	120
Exons	405..737, 426..734, 469..738		
Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	585	End	1184
GI	none	Score	122
Exons	585..1025, 600..863, 601..1023, 1023..1184, 1030..1176		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o1.tw	Method	TBLASTX:Wheat
Start	738	End	1364
GI	none	Score	67
Exons	738..1364, 741..863, 850..1308		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o4.tm	Method	TBLASTX:Maize
Start	1233	End	1524
GI	none	Score	206
Exons	1233..1523, 1237..1524		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o2.ts	Method	TBLASTX:Soybean
Start	1323	End	1583
GI	none	Score	159
Exons	1323..1583, 1324..1578		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o2.tw	Method	TBLASTX:Wheat
Start	1371	End	9484
GI	none	Score	336
Exons	1371..1907, 1375..1938, 9249..9410, 9254..9484, 9255..9368		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o2.tm	Method	TBLASTX:Maize
Start	1929	End	11023
GI	none	Score	168
Exons	1929..2291, 1938..2291, 1942..2292, 10670..11023, 10677..11018		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o3.tw	Method	TBLASTX:Wheat
Start	1941	End	11095
GI	none	Score	364
Exons	1941..2363, 1942..2331, 10670..11095, 10677..11093		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o3.ts	Method	TBLASTX:Soybean
Start	2112	End	11089
GI	none	Score	93
Exons	2112..2357, 2113..2340, 10841..11089		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17

Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o3.tm	Method	TBLASTX:Maize
Start	2328	End	11560
GI	none	Score	50
Exons	2328..2642, 2371..2421, 2449..2502, 2649..2828, 2674..2820, 11060..11362, 11181..11309, 11423..11560, 11427..11552		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o5.tw	Method	TBLASTX:Wheat
Start	2364	End	11359
GI	none	Score	192
Exons	2364..2666, 2370..2663, 2380..2664, 2585..2665, 11096..11359, 11097..11357		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o1.ts	Method	TBLASTX:Soybean
Start	2379	End	11506
GI	none	Score	193
Exons	2379..2738, 2380..2670, 2698..2736, 2742..2774, 2743..2772, 11111..11362, 11114..11263, 11121..11354, 11327..11467, 11417..11470, 11474..11506, 11474..11506		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o4.tw	Method	TBLASTX:Wheat
Start	2715	End	11930
GI	none	Score	290
Exons	2715..3092, 2758..3201, 3147..3197, 11447..11929, 11450..11926, 11490..11930		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o4.ts	Method	TBLASTX:Soybean
Start	2847	End	11893
GI	none	Score	198
Exons	2847..3092, 11579..11893		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o5.tm	Method	TBLASTX:Maize
Start	2896	End	11920
GI	none	Score	215
Exons	2896..3186, 2898..3185, 11628..11918, 11630..11920		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o8.tw	Method	TBLASTX:Wheat
Start	3312	End	12211

GI	none	Score	69
Exons	3312..3479, 3367..3480, 3525..3734, 3526..3678, 12092..12211, 12093..12206		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o7.tm	Method	TBLASTX:Maize
Start	3417	End	12211
GI	none	Score	72
Exons	3417..3692, 12149..12211		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o7.tw	Method	TBLASTX:Wheat
Start	4053	End	4417
GI	none	Score	112
Exons	4053..4403, 4210..4404, 4235..4417		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o6.tm	Method	TBLASTX:Maize
Start	4098	End	4403
GI	none	Score	90
Exons	4098..4403, 4273..4389		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o9.tw	Method	TBLASTX:Wheat
Start	4438	End	4810
GI	none	Score	107
Exons	4438..4635, 4440..4637, 4748..4780, 4766..4810		

Seq. No.	28548	Seq. ID	OJ000250_69.0214.C17
Gene No.	58930	Strand	-
Start	12691	End	13479
Name	OJ000250_69.0214.C17.o2.np	Method	AAT/NAP
Start	12691	End	13479
GI	4512231	Score	1258
Exons	12691..13479		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28549	Seq. ID	OJ000250_69.0214.C18
Gene No.	58931	Strand	+
Start	1	End	505
Name	OJ000250_69.0214.C18.o1.np	Method	AAT/NAP
Start	1	End	505
GI	5103193	Score	858
Exons	1..505		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	28549	Seq. ID	OJ000250_69.0214.C18

Gene No.	58931	Strand	+
Start	1	End	505
Name	OJ000250_69.0214.C18.o1.gs	Method	GENSCAN
Start	75	End	326
GI	none	Score	.46
Exons	75..326		

Seq. No.	28550	Seq. ID	OJ000250_69.0214.C20
Gene No.	58932	Strand	+
Start	119	End	864
Name	OJ000250_69.0214.C20.o1.gs	Method	GENSCAN
Start	119	End	833
GI	none	Score	.97
Exons	119..833		

Seq. No.	28550	Seq. ID	OJ000250_69.0214.C20
Gene No.	58932	Strand	+
Start	119	End	864
Name	OJ000250_69.0214.C20.o1.np	Method	AAT/NAP
Start	127	End	864
GI	6573436	Score	305
Exons	127..864		
GI Descrip.	Chain A, Lectin Ii From Ulex Europaeus gi|6573437|pdb|1QNW|B Chain B, Lectin Ii From Ulex Europaeus gi|6573438|pdb|1QNW|C Chain C, Lectin Ii From Ulex Europaeus gi|6573439|pdb|1QNW|D Chain D, Lectin Ii From Ulex Europaeus gi|6573440|pdb|1QOO|A Chain A, Lectin Uea-Ii Complexed With Nag gi|6573441|pdb|1QOO|B Chain B, Lectin Uea-Ii Complexed With Nag gi|6573442|pdb|1QOO|C Chain		

Seq. No.	28550	Seq. ID	OJ000250_69.0214.C20
Gene No.	58932	Strand	+
Start	119	End	864
Name	OJ000250_69.0214.C20.o2.tm	Method	TBLASTX:Maize
Start	253	End	495
GI	none	Score	101
Exons	253..357, 261..356, 358..429, 366..461, 367..495		

Seq. No.	28550	Seq. ID	OJ000250_69.0214.C20
Gene No.	58932	Strand	+
Start	119	End	864
Name	OJ000250_69.0214.C20.o1.ts	Method	TBLASTX:Soybean
Start	259	End	810
GI	none	Score	102
Exons	259..375, 370..474, 481..555, 568..615, 730..810		

Seq. No.	28550	Seq. ID	OJ000250_69.0214.C20
Gene No.	58932	Strand	+
Start	119	End	864
Name	OJ000250_69.0214.C20.o1.tm	Method	TBLASTX:Maize
Start	498	End	717
GI	none	Score	54
Exons	498..527, 499..531, 543..677, 544..717		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58933	Strand	+
Start	57	End	805

Name	OJ000250_68.0211.C5.o1.gs	Method	GENSCAN
Start	57	End	805
GI	none	Score	.59
Exons	57..262, 750..805		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58934	Strand	+
Start	1035	End	1320
Name	OJ000250_68.0211.C5.o1.gp	Method	AAT/GAP
Start	1035	End	1320
GI	none	Score	549
Exons	1035..1320		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58935	Strand	+
Start	4267	End	4795
Name	OJ000250_68.0211.C5.o3.gs	Method	GENSCAN
Start	4267	End	4795
GI	none	Score	.82
Exons	4267..4301, 4588..4795		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58936	Strand	+
Start	5431	End	5662
Name	OJ000250_68.0211.C5.o4.gs	Method	GENSCAN
Start	5431	End	5662
GI	none	Score	.56
Exons	5431..5662		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o1.np	Method	AAT/NAP
Start	1191	End	5765
GI	1352681	Score	329
Exons	1191..1350, 1414..1564, 4253..4358, 5740..5765		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi|1076391|pir||S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi|633028|dbj|BAA07287| (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi|6006880|gb|AAF00655.1|AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o2.gs	Method	GENSCAN
Start	1206	End	1604
GI	none	Score	.47
Exons	1206..1604		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	1212	End	4361
GI	none	Score	106
Exons	1212..1262, 1413..1565, 1414..1566, 4248..4361, 4252..4359		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	1218	End	4361
GI	none	Score	44
Exons	1218..1316, 1221..1289, 1398..1565, 1399..1566, 4248..4361, 4252..4359		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	1398	End	4361
GI	none	Score	117
Exons	1398..1565, 1414..1566, 4248..4361, 4252..4359		

Seq. No.	28551	Seq. ID	OJ000250_68.0211.C5
Gene No.	58937	Strand	-
Start	1206	End	5765
Name	OJ000250_68.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	1413	End	4361
GI	none	Score	71
Exons	1413..1562, 1414..1566, 1416..1565, 4248..4361, 4252..4359		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58938	Strand	-
Start	5886	End	5960
Name	OJ000250_68.0211.C6.o1.gp	Method	AAT/GAP
Start	5886	End	5960
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	5886..5960		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o1.tm	Method	TBLASTX:Maize
Start	6731	End	7202
GI	none	Score	309
Exons	6731..6919, 6732..7103, 6969..7103, 7116..7202, 7133..7201		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o2.tw	Method	TBLASTX:Wheat
Start	6927	End	7295
GI	none	Score	331
Exons	6927..7295, 6984..7091, 7128..7178		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o3.tm	Method	TBLASTX:Maize

Start	7373	End	7671
GI	none	Score	198
Exons	7373..7555, 7374..7571, 7609..7671		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o2.gs	Method	GENSCAN
Start	10912	End	13898
GI	none	Score	.63
Exons	10912..11096, 12305..12448, 13766..13898		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o1.np	Method	AAT/NAP
Start	13638	End	14222
GI	2443320	Score	912
Exons	13638..14222		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o1.tw	Method	TBLASTX:Wheat
Start	13677	End	14165
GI	none	Score	324
Exons	13677..14165, 13678..14160, 13943..14164		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o2.tm	Method	TBLASTX:Maize
Start	13689	End	14222
GI	none	Score	132
Exons	13689..13883, 13902..14222		

Seq. No.	28552	Seq. ID	OJ000250_68.0211.C6
Gene No.	58939	Strand	-
Start	10912	End	14222
Name	OJ000250_68.0211.C6.o1.ts	Method	TBLASTX:Soybean
Start	13773	End	14213
GI	none	Score	64
Exons	13773..13877, 13905..14213, 13966..14073		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58940	Strand	-
Start	1	End	3136
Name	OJ000250_68.0211.C7.o1.np	Method	AAT/NAP
Start	1	End	3136
GI	2443320	Score	4208
Exons	1..3136		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519

Name	OJ000250_68.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	1	End	561
GI	none	Score	186
Exons	1..195, 1..195, 3..224, 107..196, 149..550, 210..557, 210..560, 217..561		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	123	End	555
GI	none	Score	161
Exons	123..536, 190..555		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	249	End	689
GI	5509260	Score	92
Exons	249..689, 262..399, 433..636		
GI Descrip.	-		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	342	End	600
GI	none	Score	103
Exons	342..599, 424..600		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o5.tw	Method	TBLASTX:Wheat
Start	562	End	725
GI	none	Score	142
Exons	562..720, 563..718, 564..725		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	893	End	1417
GI	none	Score	121
Exons	893..1105, 1211..1417		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	980	End	1525
GI	none	Score	212
Exons	980..1135, 1121..1198, 1217..1525		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-

Start	8020	End	13519
Name	OJ000250_68.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	998	End	1663
GI	none	Score	570
Exons	998..1663, 1017..1637, 1055..1639		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	998	End	1429
GI	none	Score	90
Exons	998..1135, 1121..1201, 1202..1429, 1203..1427		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o3.ts	Method	TBLASTX:Soybean
Start	1439	End	1822
GI	none	Score	97
Exons	1439..1663, 1649..1822		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o3.tw	Method	TBLASTX:Wheat
Start	1664	End	2132
GI	none	Score	119
Exons	1664..1885, 1683..1829, 1693..1839, 1818..2096, 1883..2095, 1885..2100, 1887..2132		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o4.tw	Method	TBLASTX:Wheat
Start	2592	End	2938
GI	none	Score	68
Exons	2592..2804, 2609..2938		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o2.gs	Method	GENSCAN
Start	8020	End	13301
GI	none	Score	.4
Exons	8020..8114, 9573..10079, 13106..13301		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o2.np	Method	AAT/NAP
Start	9727	End	10063
GI	4567313	Score	130
Exons	9727..9885, 9919..10063		
GI Descrip.	(AC005956) putative SUPERMAN-like C2H2 zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	28553	Seq. ID	OJ000250_68.0211.C7
Gene No.	58941	Strand	-
Start	8020	End	13519
Name	OJ000250_68.0211.C7.o3.np	Method	AAT/NAP
Start	12497	End	13519
GI	6815099	Score	84
Exons	12497..12609, 13437..13519		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28554	Seq. ID	OJ000250_68.0211.C8
Gene No.	58942	Strand	-
Start	130	End	1970
Name	OJ000250_68.0211.C8.o1.gs	Method	GENSCAN
Start	130	End	1970
GI	none	Score	.61
Exons	130..247, 253..395, 1105..1172, 1763..1970		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58943	Strand	+
Start	2764	End	3409
Name	OJ000250_68.0211.C9.o2.gs	Method	GENSCAN
Start	2764	End	3409
GI	none	Score	.55
Exons	2764..2871, 3350..3409		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58944	Strand	+
Start	9976	End	11499
Name	OJ000250_68.0211.C9.o4.gs	Method	GENSCAN
Start	9976	End	11333
GI	none	Score	.47
Exons	9976..10471, 11251..11333		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58944	Strand	+
Start	9976	End	11499
Name	OJ000250_68.0211.C9.o3.np	Method	AAT/NAP
Start	10042	End	11499
GI	1628482	Score	136
Exons	10042..10425, 11456..11499		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58945	Strand	+
Start	14073	End	16420
Name	OJ000250_68.0211.C9.o6.gs	Method	GENSCAN
Start	14073	End	16420
GI	none	Score	.63
Exons	14073..14178, 14643..14772, 14816..14880, 16205..16227, 16385..16420		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58946	Strand	+
Start	26017	End	29953
Name	OJ000250_68.0211.C9.o8.gs	Method	GENSCAN
Start	26017	End	29947
GI	none	Score	.5

Exons	26017..26104, 26703..27117, 27122..27388, 27610..28041, 28185..28257, 28619..28774, 28817..29665, 29801..29947		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58946	Strand	+
Start	26017	End	29953
Name	OJ000250_68.0211.C9.o4.np	Method	AAT/NAP
Start	26754	End	29953
GI	6907089	Score	1851
Exons	26754..27695, 27732..28129, 28171..29953		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58947	Strand	+
Start	33679	End	34244
Name	OJ000250_68.0211.C9.o1.gp	Method	AAT/GAP
Start	33679	End	34244
GI	4879016	Score	837
Exons	33679..34244		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58948	Strand	+
Start	42512	End	52287
Name	OJ000250_68.0211.C9.o7.np	Method	AAT/NAP
Start	42512	End	48620
GI	4680203	Score	1310
Exons	42512..42534, 43958..44165, 44230..44801, 44836..45763, 45923..46146, 46423..47060, 48583..48620		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58948	Strand	+
Start	42512	End	52287
Name	OJ000250_68.0211.C9.o8.np	Method	AAT/NAP
Start	47161	End	52287
GI	4680203	Score	485
Exons	47161..47192, 48524..49443, 52212..52287		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58948	Strand	+
Start	42512	End	52287
Name	OJ000250_68.0211.C9.o11.gs	Method	GENSCAN
Start	48432	End	49241
GI	none	Score	.51
Exons	48432..49241		
Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58949	Strand	-
Start	1	End	769
Name	OJ000250_68.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6907086	Score	453
Exons	1..769		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58950	Strand	-
Start	6616	End	9268
Name	OJ000250_68.0211.C9.o3.gs	Method	GENSCAN
Start	6616	End	9268
GI	none	Score	.88
Exons	6616..6683, 7544..7669, 7818..7876, 8755..8884, 9235..9268		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58951	Strand	-
Start	12661	End	13467
Name	OJ000250_68.0211.C9.o5.gs	Method	GENSCAN
Start	12661	End	13467
GI	none	Score	.72
Exons	12661..12815, 12926..13046, 13106..13303, 13375..13467		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58952	Strand	-
Start	18845	End	22361
Name	OJ000250_68.0211.C9.o7.gs	Method	GENSCAN
Start	18845	End	22361
GI	none	Score	.44
Exons	18845..18999, 19060..19085, 19836..19888, 20780..21033, 21945..21982, 22309..22361		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58953	Strand	-
Start	30736	End	36797
Name	OJ000250_68.0211.C9.o5.np	Method	AAT/NAP
Start	30706	End	36797
GI	6498441	Score	2464
Exons	30706..30987, 31081..32478, 32665..33158, 36769..36797		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58953	Strand	-
Start	30736	End	36797
Name	OJ000250_68.0211.C9.o9.gs	Method	GENSCAN
Start	30736	End	34182
GI	none	Score	.63
Exons	30736..31545, 31579..31697, 31743..31944, 32257..32720, 34062..34182		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58954	Strand	-
Start	39773	End	43673
Name	OJ000250_68.0211.C9.o6.np	Method	AAT/NAP
Start	39773	End	43673
GI	862343	Score	111
Exons	39773..39823, 40123..40178, 43526..43673		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein		

[Mus musculus]

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58955	Strand	-
Start	43580	End	43668
Name	OJ000250_68.0211.C9.o2.gp	Method	AAT/GAP
Start	43580	End	43668
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	43580..43668		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	5146	End	5993
GI	none	Score	405
Exons	5146..5706, 5157..5414, 5487..5594, 5619..5705, 5704..5952, 5718..5780, 5817..5993		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o6.tw	Method	TBLASTX:Wheat
Start	5182	End	5430
GI	none	Score	270
Exons	5182..5430, 5208..5402		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o8.tw	Method	TBLASTX:Wheat
Start	5844	End	6396
GI	none	Score	58
Exons	5844..6218, 5845..5949, 6025..6219, 6298..6396		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o7.tm	Method	TBLASTX:Maize
Start	6016	End	6264
GI	none	Score	228
Exons	6016..6264, 6090..6233		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	6297	End	6753
GI	none	Score	298
Exons	6297..6659, 6298..6666, 6697..6753, 6702..6752		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300

Name	OJ000250_68.0211.C9.o7.tw	Method	TBLASTX:Wheat
Start	6484	End	6862
GI	none	Score	200
Exons	6484..6756, 6615..6752, 6732..6860, 6743..6862		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o3.tw	Method	TBLASTX:Wheat
Start	30715	End	31314
GI	none	Score	71
Exons	30715..30840, 30719..30841, 30871..30957, 31027..31314, 31034..31174, 31214..31291, 31275..31313		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o2.tw	Method	TBLASTX:Wheat
Start	31345	End	31698
GI	none	Score	186
Exons	31345..31698, 31349..31597, 31642..31695		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	31513	End	31827
GI	none	Score	199
Exons	31513..31827, 31526..31807		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o4.tw	Method	TBLASTX:Wheat
Start	32344	End	32793
GI	none	Score	109
Exons	32344..32496, 32345..32485, 32555..32725, 32569..32793		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o6.tm	Method	TBLASTX:Maize
Start	35545	End	36674
GI	none	Score	40
Exons	35545..35643, 35560..35685, 35587..35700, 35620..35679, 35654..35788, 35674..35805, 35707..35805, 35709..35792, 35715..35798, 35715..35813, 35718..35798, 35719..35799, 35720..35833, 35821..35931, 35828..35950, 35832..35984, 35838..35945, 35840..35953, 35846..35959, 35849..35959, 35850..35984, 35983..36105, 35993..36112, 36008..36169, 36093..36158, 36096..36158, 36158..36343, 36195..36329, 36195..36353, 36195..36329, 36207..36335, 36215..36334, 36222..36323, 36227..36334, 36376..36486, 36378..36455, 36379..36522, 36379..36462, 36385..36528, 36385..36483, 36391..36477, 36391..36462, 36494..36619, 36509..36616, 36531..36632, 36533..36616, 36540..36617, 36540..36674, 36543..36650		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o5.tw	Method	TBLASTX:Wheat
Start	44491	End	49438
GI	none	Score	188
Exons	44491..44781, 44861..44980, 44885..44986, 44978..45106, 44987..45121, 48789..49151, 48878..48922, 49013..49126, 49160..49204, 49217..49339, 49343..49438		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	44509	End	49195
GI	none	Score	260
Exons	44509..44799, 44511..44717, 48866..48910, 48879..48908, 48910..49071, 48914..49132, 48915..49154, 49151..49195		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o5.tm	Method	TBLASTX:Maize
Start	44716	End	49450
GI	none	Score	73
Exons	44716..44820, 44936..44980, 44966..45247, 44998..45177, 49352..49450		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o2.tc	Method	TBLASTX:Cress
Start	44858	End	49450
GI	none	Score	279
Exons	44858..45202, 44860..45006, 45046..45102, 49214..49450, 49222..49371		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	44881	End	49444
GI	none	Score	207
Exons	44881..45120, 44882..45121, 49214..49444, 49228..49434		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o9.tw	Method	TBLASTX:Wheat
Start	45152	End	45394
GI	none	Score	146
Exons	45152..45250, 45154..45252, 45296..45394		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300

Name	OJ000250_68.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	46012	End	46395
GI	none	Score	55
Exons	46012..46080, 46080..46394, 46080..46394, 46081..46395		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	46036	End	46905
GI	none	Score	542
Exons	46036..46752, 46083..46220, 46281..46589, 46771..46905, 46803..46904		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	46327	End	46752
GI	none	Score	293
Exons	46327..46752, 46335..46589		

Seq. No.	28555	Seq. ID	OJ000250_68.0211.C9
Gene No.	58956	Strand	-
Start	50663	End	51300
Name	OJ000250_68.0211.C9.o12.gs	Method	GENSCAN
Start	50663	End	51300
GI	none	Score	1
Exons	50663..50948, 50981..51110, 51139..51300		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58957	Strand	+
Start	2670	End	5945
Name	OJ000250_68.0211.C10.o1.gp	Method	AAT/GAP
Start	2670	End	3316
GI	none	Score	774
Exons	2670..2896, 3120..3316		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58957	Strand	+
Start	2670	End	5945
Name	OJ000250_68.0211.C10.o1.np	Method	AAT/NAP
Start	2880	End	5945
GI	4877653	Score	1731
Exons	2880..2974, 3381..5032, 5403..5945		
GI Descrip.	(AF118844) ethylene receptor homolog [Lycopersicon esculentum]		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58957	Strand	+
Start	2670	End	5945
Name	OJ000250_68.0211.C10.o2.gp	Method	AAT/GAP
Start	4515	End	5581
GI	18348_1.R1084	Score	1288
Exons	4515..5032, 5403..5581		
GI Descrip.	'5733831/gb|AAC31213.3| 7.0e-33 (AF026267) ethylene receptor homolog [Nicotiana tabacum]'		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58958	Strand	+
Start	10786	End	11402
Name	OJ000250_68.0211.C10.o3.gs	Method	GENSCAN
Start	10786	End	11402
GI	none	Score	.41
Exons	10786..10933, 11334..11402		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o1.gs	Method	GENSCAN
Start	2861	End	3864
GI	none	Score	.95
Exons	2861..3748, 3814..3864		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	3373	End	3900
GI	none	Score	785
Exons	3373..3900, 3374..3898, 3781..3900		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	3392	End	5921
GI	none	Score	129
Exons	3392..3508, 3400..3501, 3512..3592, 3590..3958, 3595..3969, 4084..4197, 4085..4798, 4100..4567, 4309..4770, 5400..5480, 5543..5818, 5553..5819, 5786..5905, 5787..5921		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	3398	End	4573
GI	none	Score	147
Exons	3398..3508, 3400..3501, 3511..3945, 3512..3955, 3521..3955, 3983..4087, 4006..4086, 4093..4197, 4094..4207, 4226..4573, 4226..4567, 4309..4572		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	3755	End	3958
GI	none	Score	213
Exons	3755..3958, 3778..3927		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	3901	End	5990

GI	none	Score	1473
Exons	3901..4197, 3902..5035, 3905..4801, 4309..5031, 4656..5042, 5396..5818, 5400..5690, 5679..5984, 5681..5959, 5686..5985, 5694..5990		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	4280	End	4783
GI	none	Score	189
Exons	4280..4783		

Seq. No.	28556	Seq. ID	OJ000250_68.0211.C10
Gene No.	58959	Strand	-
Start	2861	End	5990
Name	OJ000250_68.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	5573	End	5918
GI	none	Score	200
Exons	5573..5770, 5574..5822, 5786..5917, 5787..5918		

Seq. No.	28557	Seq. ID	OJ000250_68.0211.C11
Gene No.	58960	Strand	+
Start	412	End	4165
Name	OJ000250_68.0211.C11.o1.gs	Method	GENSCAN
Start	412	End	4165
GI	none	Score	.58
Exons	412..536, 1617..1755, 2114..2207, 2727..2861, 3017..3072, 3464..3607, 4160..4165		

Seq. No.	28557	Seq. ID	OJ000250_68.0211.C11
Gene No.	58960	Strand	+
Start	412	End	4165
Name	OJ000250_68.0211.C11.o2.gp	Method	AAT/GAP
Start	1517	End	1924
GI	2428230	Score	753
Exons	1517..1924		

Seq. No.	28557	Seq. ID	OJ000250_68.0211.C11
Gene No.	58961	Strand	+
Start	5391	End	5793
Name	OJ000250_68.0211.C11.o2.gs	Method	GENSCAN
Start	5391	End	5793
GI	none	Score	.43
Exons	5391..5456, 5779..5793		

Seq. No.	28558	Seq. ID	OJ000250_68.0211.C12
Gene No.	58962	Strand	-
Start	1	End	87
Name	OJ000250_68.0211.C12.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	4714118	Score	163
Exons	1..87		

Seq. No.	28559	Seq. ID	OJ000250_68.0211.C13
Gene No.	58963	Strand	+
Start	23	End	62

Name	OJ000250_68.0211.C13.o1.gs	Method	GENSCAN
Start	23	End	62
GI	none	Score	.62
Exons	23..62		

Seq. No.	28560	Seq. ID	OJ000250_68.0211.C18
Gene No.	58964	Strand	+
Start	63	End	122
Name	OJ000250_68.0211.C18.o1.gs	Method	GENSCAN
Start	63	End	122
GI	none	Score	.84
Exons	63..122		

Seq. No.	28561	Seq. ID	OJ000250_68.0211.C29
Gene No.	58965	Strand	+
Start	1	End	394
Name	OJ000250_68.0211.C29.o1.np	Method	AAT/NAP
Start	1	End	394
GI	3540178	Score	179
Exons	1..394		
GI Descrip.	(AC004122) calcium-transporting ATPase [Arabidopsis thaliana]		

Seq. No.	28561	Seq. ID	OJ000250_68.0211.C29
Gene No.	58965	Strand	+
Start	1	End	394
Name	OJ000250_68.0211.C29.o1.tc	Method	TBLASTX:Cress
Start	143	End	299
GI	none	Score	176
Exons	143..298, 150..266, 172..291, 177..299		

Seq. No.	28562	Seq. ID	OJ000250_68.0211.C31
Gene No.	58966	Strand	+
Start	224	End	312
Name	OJ000250_68.0211.C31.o1.gs	Method	GENSCAN
Start	224	End	312
GI	none	Score	.85
Exons	224..312		

Seq. No.	28563	Seq. ID	OJ000250_65.0217.C2
Gene No.	58967	Strand	+
Start	598	End	835
Name	OJ000250_65.0217.C2.o1.gs	Method	GENSCAN
Start	598	End	835
GI	none	Score	.93
Exons	598..709, 786..835		

Seq. No.	28564	Seq. ID	OJ000250_65.0217.C4
Gene No.	58968	Strand	+
Start	432	End	713
Name	OJ000250_65.0217.C4.o1.gp	Method	AAT/GAP
Start	432	End	713
GI	569680	Score	556
Exons	432..713		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58969	Strand	+
Start	376	End	556

Name	OJ000250_65.0217.C5.o1.gs	Method	GENSCAN
Start	376	End	556
GI	none	Score	.73
Exons	376..556		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58970	Strand	+
Start	1704	End	2071
Name	OJ000250_65.0217.C5.o1.gp	Method	AAT/GAP
Start	1704	End	2071
GI	none	Score	672
Exons	1704..2071		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58971	Strand	+
Start	3986	End	4893
Name	OJ000250_65.0217.C5.o3.gs	Method	GENSCAN
Start	3986	End	4893
GI	none	Score	.88
Exons	3986..4209, 4232..4330, 4776..4893		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58972	Strand	+
Start	17189	End	17920
Name	OJ000250_65.0217.C5.o8.gs	Method	GENSCAN
Start	17189	End	17920
GI	none	Score	.86
Exons	17189..17920		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58973	Strand	-
Start	2058	End	6267
Name	OJ000250_65.0217.C5.o2.gs	Method	GENSCAN
Start	2058	End	2926
GI	none	Score	.85
Exons	2058..2808, 2907..2926		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58973	Strand	-
Start	2058	End	6267
Name	OJ000250_65.0217.C5.o1.np	Method	AAT/NAP
Start	2061	End	6267
GI	5777631	Score	1329
Exons	2061..2808, 2907..3039, 5618..5705, 5902..6267		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58973	Strand	-
Start	2058	End	6267
Name	OJ000250_65.0217.C5.o2.gp	Method	AAT/GAP
Start	2296	End	5937
GI	11838_1.R1084	Score	1450
Exons	2296..2808, 2907..3039, 5618..5705, 5902..5937		
GI Descrip.	'5777631/emb|CAB53492.1| 3.0e-82 (AJ245900) CAA303719.1 protein [Oryza sativa]'		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5

Gene No.	58973	Strand	-
Start	2058	End	6267
Name	OJ000250_65.0217.C5.o4.gs	Method	GENSCAN
Start	5387	End	6267
GI	none	Score	.87
Exons	5387..5397, 5618..5705, 5902..6267		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58974	Strand	-
Start	10796	End	11701
Name	OJ000250_65.0217.C5.o3.gp	Method	AAT/GAP
Start	10796	End	11701
GI	67996_1.R1084	Score	872
Exons	10796..11156, 11595..11701		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-160 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58975	Strand	-
Start	15466	End	17846
Name	OJ000250_65.0217.C5.o4.gp	Method	AAT/GAP
Start	15466	End	16168
GI	6062507	Score	1323
Exons	15466..16168		
GI Descrip.	2244928/emb|CAB10350.1| 2.0e-22 (Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58975	Strand	-
Start	15466	End	17846
Name	OJ000250_65.0217.C5.o7.gs	Method	GENSCAN
Start	15969	End	17057
GI	none	Score	.94
Exons	15969..17057		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58975	Strand	-
Start	15466	End	17846
Name	OJ000250_65.0217.C5.o2.np	Method	AAT/NAP
Start	15972	End	17846
GI	2244928	Score	1227
Exons	15972..16468, 16511..17846		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58975	Strand	-
Start	15466	End	17846
Name	OJ000250_65.0217.C5.o5.gp	Method	AAT/GAP
Start	16251	End	16640
GI	6062506	Score	780
Exons	16251..16640		
GI Descrip.	3482916 3.0e-14 (AC003970) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58976	Strand	-
Start	20630	End	22836

Name	OJ000250_65.0217.C5.o9.gs	Method	GENSCAN
Start	20630	End	22540
GI	none	Score	.81
Exons	20630..20695, 21149..21771, 22231..22540		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58976	Strand	-
Start	20630	End	22836
Name	OJ000250_65.0217.C5.o3.np	Method	AAT/NAP
Start	20633	End	22836
GI	6103623	Score	1798
Exons	20633..20695, 21149..21771, 22231..22624, 22777..22836		
GI Descrip.	(AF172094) actin [Picea rubens]		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o9.tm	Method	TBLASTX:Maize
Start	2029	End	2195
GI	none	Score	170
Exons	2029..2190, 2049..2195		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o2.tc	Method	TBLASTX:Cress
Start	2031	End	2603
GI	none	Score	134
Exons	2031..2195, 2056..2190, 2061..2195, 2259..2393, 2260..2388, 2434..2520, 2444..2497, 2532..2603, 2533..2595		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o9.tw	Method	TBLASTX:Wheat
Start	2047	End	2195
GI	none	Score	150
Exons	2047..2184, 2057..2191, 2057..2191, 2058..2195, 2058..2192		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o4.ts	Method	TBLASTX:Soybean
Start	2058	End	2537
GI	none	Score	128
Exons	2058..2195, 2059..2190, 2248..2379, 2259..2387, 2259..2393, 2269..2394, 2433..2537		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o10.tw	Method	TBLASTX:Wheat
Start	2259	End	2381
GI	none	Score	125
Exons	2259..2375, 2259..2381, 2263..2379		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5

Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o2.tm	Method	TBLASTX:Maize
Start	2259	End	6069
GI	none	Score	243
Exons	2259..2414, 2260..2418, 2420..2746, 2421..2732, 2427..2747, 2429..2746, 2431..2748, 2727..2810, 2749..2811, 2906..3040, 2906..3040, 2907..3041, 5609..5707, 5619..5723, 5623..5706, 5902..6069, 5903..6028		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o8.tw	Method	TBLASTX:Wheat
Start	2424	End	2705
GI	none	Score	46
Exons	2424..2468, 2480..2506, 2491..2700, 2502..2705, 2514..2705		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o3.ts	Method	TBLASTX:Soybean
Start	2540	End	6277
GI	none	Score	127
Exons	2540..2722, 2541..2723, 2541..2723, 2542..2724, 2718..2810, 2731..2811, 2745..2813, 2902..2928, 2906..3040, 2907..3041, 5622..5723, 5623..5706, 5902..6111, 5903..6136, 6139..6270, 6140..6277		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o3.tc	Method	TBLASTX:Cress
Start	2604	End	3041
GI	none	Score	108
Exons	2604..2756, 2605..2724, 2746..2811, 2751..2810, 2906..3040, 2907..3041		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o4.tc	Method	TBLASTX:Cress
Start	5902	End	6277
GI	none	Score	82
Exons	5902..6108, 5924..6028, 6190..6276, 6191..6277		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o4.tw	Method	TBLASTX:Wheat
Start	5921	End	6268
GI	none	Score	192
Exons	5921..6136, 5923..6111, 6139..6267, 6140..6268		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219

Name	OJ000250_65.0217.C5.o12.tm	Method	TBLASTX:Maize
Start	6070	End	6268
GI	none	Score	65
Exons	6070..6111, 6071..6136, 6139..6267, 6140..6268		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o11.tm	Method	TBLASTX:Maize
Start	9764	End	9955
GI	none	Score	112
Exons	9764..9955, 9764..9955		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o2.ts	Method	TBLASTX:Soybean
Start	9770	End	10614
GI	none	Score	60
Exons	9770..9976, 9800..10012, 9829..9909, 9924..9974, 10062..10115, 10223..10600, 10277..10612, 10284..10613, 10306..10614		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o3.tm	Method	TBLASTX:Maize
Start	9956	End	10597
GI	none	Score	54
Exons	9956..10006, 9966..10004, 9995..10132, 10002..10076, 10012..10128, 10012..10134, 10141..10563, 10144..10209, 10226..10564, 10268..10564, 10565..10597, 10566..10595		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o2.tw	Method	TBLASTX:Wheat
Start	10268	End	10613
GI	none	Score	313
Exons	10268..10606, 10269..10613		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o8.tm	Method	TBLASTX:Maize
Start	10599	End	11116
GI	none	Score	266
Exons	10599..10832, 10599..10835, 10628..10840, 10799..11023, 10905..11021, 11032..11106, 11066..11116		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o7.ts	Method	TBLASTX:Soybean
Start	15948	End	16208
GI	none	Score	216
Exons	15948..16208		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o10.tm	Method	TBLASTX:Maize
Start	15969	End	16187
GI	none	Score	79
Exons	15969..16187, 15969..16187		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o6.tc	Method	TBLASTX:Cress
Start	15969	End	16328
GI	none	Score	57
Exons	15969..16208, 16272..16328		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o7.tm	Method	TBLASTX:Maize
Start	16266	End	16577
GI	none	Score	221
Exons	16266..16526, 16266..16526, 16528..16575, 16530..16577		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o5.ts	Method	TBLASTX:Soybean
Start	16347	End	16844
GI	none	Score	148
Exons	16347..16613, 16635..16844		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o4.tm	Method	TBLASTX:Maize
Start	16689	End	16959
GI	none	Score	145
Exons	16689..16880, 16689..16952, 16708..16953, 16717..16959		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o7.tw	Method	TBLASTX:Wheat
Start	16710	End	17680
GI	none	Score	97
Exons	16710..17120, 16726..16905, 16770..16886, 17253..17459, 17255..17458, 17513..17680		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o5.tc	Method	TBLASTX:Cress
Start	16731	End	17737
GI	none	Score	103
Exons	16731..16841, 16839..17114, 16854..17120, 17153..17248, 17258..17416, 17261..17458, 17513..17737, 17519..17587,		

17525..17626

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o13.tm	Method	TBLASTX:Maize
Start	17159	End	17626
GI	none	Score	102
Exons	17159..17464, 17184..17462, 17516..17626		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o3.tw	Method	TBLASTX:Wheat
Start	20622	End	21475
GI	none	Score	113
Exons	20622..20708, 20624..20701, 21146..21463, 21146..21475, 21150..21473		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o1.tm	Method	TBLASTX:Maize
Start	20625	End	22839
GI	none	Score	101
Exons	20625..20699, 20630..20701, 21146..21208, 21146..21520, 21150..21479, 21260..21481, 21539..21772, 21585..21653, 21717..21773, 22227..22625, 22229..22630, 22777..22839, 22783..22836, 22787..22837		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o1.ts	Method	TBLASTX:Soybean
Start	20627	End	22842
GI	none	Score	102
Exons	20627..20701, 20628..20699, 21146..21205, 21146..21520, 21150..21479, 21260..21481, 21539..21772, 21585..21653, 21714..21773, 22244..22342, 22245..22328, 22325..22630, 22334..22489, 22392..22625, 22777..22839, 22783..22842		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o1.tc	Method	TBLASTX:Cress
Start	20630	End	22836
GI	none	Score	88
Exons	20630..20701, 20631..20699, 21136..21201, 21146..21520, 21150..21479, 21539..21772, 21585..21653, 21717..21773, 22225..22314, 22227..22625, 22229..22630, 22777..22836		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o5.tw	Method	TBLASTX:Wheat
Start	21476	End	21773
GI	none	Score	90

Exons	21476..21520, 21539..21772, 21585..21653, 21717..21773		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o1.tw	Method	TBLASTX:Wheat
Start	22224	End	22636
GI	none	Score	102
Exons	22224..22328, 22225..22314, 22227..22625, 22229..22636, 22574..22633		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o4.np	Method	AAT/NAP
Start	24345	End	27949
GI	3367596	Score	616
Exons	24345..24381, 25388..25556, 25676..25726, 25822..25902, 26675..26770, 26981..27156, 27407..27480, 27686..27793, 27877..27949		
GI Descrip.	(AL031135) putative protein [Arabidopsis thaliana]		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o10.gs	Method	GENSCAN
Start	25173	End	28019
GI	none	Score	.91
Exons	25173..25226, 25413..25514, 25676..25726, 25822..25902, 26675..26770, 26981..27156, 27407..27480, 27877..28019		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o5.tm	Method	TBLASTX:Maize
Start	25404	End	27172
GI	none	Score	119
Exons	25404..25556, 25413..25556, 25661..25732, 25671..25727, 25675..25728, 25819..25902, 25821..25904, 25822..25905, 26672..26752, 26673..26741, 26674..26742, 26675..26764, 26736..26768, 26742..26774, 26961..27158, 26979..27164, 26980..27159, 26981..27172		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o11.tw	Method	TBLASTX:Wheat
Start	25455	End	26774
GI	none	Score	64
Exons	25455..25568, 25676..25726, 25819..25902, 25820..25903, 25834..25905, 26672..26770, 26673..26774		
Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o6.ts	Method	TBLASTX:Soybean
Start	25683	End	27458

GI	none	Score	51
Exons	25683..25709, 25685..25729, 25685..25726, 25817..25897, 25819..25902, 25821..25895, 25822..25896, 26659..26754, 26672..26770, 26673..26771, 26961..27158, 26978..27163, 26979..27182, 27408..27458		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o7.tc	Method	TBLASTX:Cress
Start	25813	End	27941
GI	none	Score	95
Exons	25813..25902, 26672..26770, 26672..26770, 26973..27158, 26974..27159, 26978..27172, 27408..27494, 27409..27483, 27411..27491, 27876..27941		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o6.tw	Method	TBLASTX:Wheat
Start	27047	End	28016
GI	none	Score	159
Exons	27047..27157, 27047..27163, 27048..27164, 27049..27159, 27408..27494, 27409..27486, 27410..27520, 27411..27494, 27685..27792, 27686..27787, 27686..27793, 27874..28014, 27875..28015, 27876..28016		

Seq. No.	28565	Seq. ID	OJ000250_65.0217.C5
Gene No.	58977	Strand	-
Start	25173	End	28219
Name	OJ000250_65.0217.C5.o6.tm	Method	TBLASTX:Maize
Start	27408	End	28219
GI	none	Score	120
Exons	27408..27494, 27410..27520, 27411..27479, 27653..27793, 27685..27792, 27873..28016, 27875..28027, 27875..28024, 27876..28025, 28172..28219		

Seq. No.	28566	Seq. ID	OJ000250_65.0217.C6
Gene No.	58978	Strand	+
Start	89	End	225
Name	OJ000250_65.0217.C6.o1.gs	Method	GENSCAN
Start	89	End	225
GI	none	Score	.96
Exons	89..225		

Seq. No.	28566	Seq. ID	OJ000250_65.0217.C6
Gene No.	58979	Strand	-
Start	1	End	3539
Name	OJ000250_65.0217.C6.o1.np	Method	AAT/NAP
Start	1	End	3539
GI	6598802	Score	216
Exons	1..237, 386..539, 1417..1483, 2418..2558, 3350..3464, 3506..3539		
GI Descrip.	(AF024504) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	28566	Seq. ID	OJ000250_65.0217.C6
Gene No.	58979	Strand	-
Start	1	End	3539

Name	OJ000250_65.0217.C6.o1.tm	Method	TBLASTX:Maize
Start	100	End	3439
GI	none	Score	133
Exons	100..249, 109..234, 113..238, 380..460, 386..460, 387..467, 1413..1493, 1415..1492, 1417..1500, 1418..1495, 2425..2559, 2438..2560, 2438..2560, 2443..2583, 3350..3439, 3352..3438		

Seq. No.	28566	Seq. ID	OJ000250_65.0217.C6
Gene No.	58979	Strand	-
Start	1	End	3539
Name	OJ000250_65.0217.C6.o2.gs	Method	GENSCAN
Start	1418	End	3444
GI	none	Score	.74
Exons	1418..1545, 1768..1822, 2444..2558, 3350..3444		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o1.ts	Method	TBLASTX:Soybean
Start	6230	End	6628
GI	none	Score	92
Exons	6230..6628, 6408..6521		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o3.tm	Method	TBLASTX:Maize
Start	6251	End	6631
GI	none	Score	93
Exons	6251..6475, 6473..6631		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o3.tw	Method	TBLASTX:Wheat
Start	6356	End	6649
GI	none	Score	140
Exons	6356..6460, 6485..6649		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o3.ts	Method	TBLASTX:Soybean
Start	7293	End	7750
GI	none	Score	70
Exons	7293..7424, 7469..7750, 7620..7712		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o2.tw	Method	TBLASTX:Wheat
Start	7430	End	7765
GI	none	Score	76
Exons	7430..7765, 7485..7748		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+

Start	12880	End	17053
Name	OJ000250_65.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	7436	End	7897
GI	none	Score	88
Exons	7436..7897, 7437..7580, 7620..7748, 7628..7897		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o1.tw	Method	TBLASTX:Wheat
Start	7769	End	8170
GI	none	Score	194
Exons	7769..8119, 7772..8110, 7971..8111, 8114..8170, 8124..8165		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o2.tm	Method	TBLASTX:Maize
Start	7898	End	8116
GI	none	Score	146
Exons	7898..8116, 7971..8111		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o2.ts	Method	TBLASTX:Soybean
Start	7967	End	8332
GI	none	Score	61
Exons	7967..8101, 8108..8332, 8114..8311		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o4.ts	Method	TBLASTX:Soybean
Start	8742	End	9080
GI	none	Score	202
Exons	8742..9080		

Seq. No.	28567	Seq. ID	OJ000250_65.0217.C7
Gene No.	58980	Strand	+
Start	12880	End	17053
Name	OJ000250_65.0217.C7.o2.gs	Method	GENSCAN
Start	12880	End	17053
GI	none	Score	.48
Exons	12880..13003, 13124..13176, 13656..14507, 14658..15113, 15421..15552, 15705..16283, 16321..16460, 16812..16899, 16958..17053		

Seq. No.	28568	Seq. ID	OJ000250_65.0217.C8
Gene No.	58981	Strand	+
Start	1	End	390
Name	OJ000250_65.0217.C8.o1.np	Method	AAT/NAP
Start	1	End	390
GI	4680183	Score	80
Exons	1..21, 301..390		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	28568	Seq. ID	OJ000250_65.0217.C8
Gene No.	58982	Strand	-
Start	1052	End	2101
Name	OJ000250_65.0217.C8.o2.np	Method	AAT/NAP
Start	1003	End	2101
GI	4584539	Score	198
Exons	1003..2101		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	28568	Seq. ID	OJ000250_65.0217.C8
Gene No.	58982	Strand	-
Start	1052	End	2101
Name	OJ000250_65.0217.C8.o1.gs	Method	GENSCAN
Start	1052	End	1658
GI	none	Score	.67
Exons	1052..1081, 1109..1153, 1347..1440, 1535..1658		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58983	Strand	-
Start	1008	End	7950
Name	OJ000250_65.0217.C9.o2.gs	Method	GENSCAN
Start	1008	End	5174
GI	none	Score	.54
Exons	1008..1111, 1867..2133, 2179..2287, 2391..2590, 2636..2932, 2990..3275, 3537..4312, 4409..5174		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58983	Strand	-
Start	1008	End	7950
Name	OJ000250_65.0217.C9.o1.np	Method	AAT/NAP
Start	1349	End	6284
GI	4206306	Score	3004
Exons	1349..5192, 6204..6284		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58983	Strand	-
Start	1008	End	7950
Name	OJ000250_65.0217.C9.o3.gs	Method	GENSCAN
Start	5439	End	7950
GI	none	Score	.63
Exons	5439..6025, 6230..6684, 6760..6835, 6945..7457, 7824..7950		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o4.tm	Method	TBLASTX:Maize
Start	1667	End	1909
GI	none	Score	195
Exons	1667..1909		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o2.ts	Method	TBLASTX:Soybean
Start	1925	End	2300
GI	none	Score	96

Exons	1925..2032, 2028..2150, 2157..2300		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o4.tw	Method	TBLASTX:Wheat
Start	2073	End	2462
GI	none	Score	246
Exons	2073..2462		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o3.tm	Method	TBLASTX:Maize
Start	2112	End	2573
GI	none	Score	367
Exons	2112..2573		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o6.tm	Method	TBLASTX:Maize
Start	2631	End	2837
GI	none	Score	100
Exons	2631..2837, 2632..2835, 2709..2837		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o3.tw	Method	TBLASTX:Wheat
Start	2772	End	3203
GI	none	Score	38
Exons	2772..3203, 2779..2826, 2857..3057, 3088..3195		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o1.ts	Method	TBLASTX:Soybean
Start	3390	End	3854
GI	none	Score	81
Exons	3390..3854, 3697..3804		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o2.tw	Method	TBLASTX:Wheat
Start	3475	End	3900
GI	none	Score	235
Exons	3475..3900, 3480..3899		
Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o2.tm	Method	TBLASTX:Maize
Start	3573	End	3956
GI	none	Score	215
Exons	3573..3956, 3586..3933, 3642..3935		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o1.tm	Method	TBLASTX:Maize
Start	3984	End	4341
GI	none	Score	130
Exons	3984..4298, 3984..4340, 3985..4341		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o1.tw	Method	TBLASTX:Wheat
Start	4014	End	4469
GI	none	Score	256
Exons	4014..4469, 4015..4443, 4140..4226		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o5.tw	Method	TBLASTX:Wheat
Start	4680	End	5027
GI	none	Score	74
Exons	4680..4850, 4687..4896, 4902..5027		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o6.tw	Method	TBLASTX:Wheat
Start	5880	End	6254
GI	none	Score	53
Exons	5880..6254, 5905..6060		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o5.tm	Method	TBLASTX:Maize
Start	5967	End	6236
GI	none	Score	183
Exons	5967..6236		

Seq. No.	28569	Seq. ID	OJ000250_65.0217.C9
Gene No.	58984	Strand	-
Start	11029	End	11106
Name	OJ000250_65.0217.C9.o4.gs	Method	GENSCAN
Start	11029	End	11106
GI	none	Score	.55
Exons	11029..11106		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58985	Strand	+
Start	1	End	207
Name	OJ000250_65.0217.C10.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	LIB3477-003-P1-K1-E9	Score	137
Exons	1..87, 178..207		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58986	Strand	+
Start	2907	End	12006
Name	OJ000250_65.0217.C10.o1.gs	Method	GENSCAN
Start	2907	End	12006
GI	none	Score	.74
Exons	2907..2961, 3549..3664, 4214..4251, 5042..5069, 5479..6666, 7086..7286, 9950..10102, 10306..10354, 10972..11082, 11384..12006		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58986	Strand	+
Start	2907	End	12006
Name	OJ000250_65.0217.C10.o3.gp	Method	AAT/GAP
Start	4873	End	5648
GI	2428658	Score	699
Exons	4873..5069, 5479..5648		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58986	Strand	+
Start	2907	End	12006
Name	OJ000250_65.0217.C10.o4.gp	Method	AAT/GAP
Start	6002	End	6466
GI	none	Score	815
Exons	6002..6466		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58986	Strand	+
Start	2907	End	12006
Name	OJ000250_65.0217.C10.o5.gp	Method	AAT/GAP
Start	6570	End	7324
GI	none	Score	810
Exons	6570..6666, 6981..7324		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58987	Strand	+
Start	13536	End	13802
Name	OJ000250_65.0217.C10.o2.gs	Method	GENSCAN
Start	13536	End	13802
GI	none	Score	.51
Exons	13536..13589, 13689..13802		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58988	Strand	+
Start	15516	End	16691
Name	OJ000250_65.0217.C10.o3.gs	Method	GENSCAN
Start	15516	End	16691
GI	none	Score	.49
Exons	15516..15579, 16368..16511, 16516..16691		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58989	Strand	+
Start	17936	End	18359
Name	OJ000250_65.0217.C10.o8.gp	Method	AAT/GAP

Start	17936	End	18155
GI	none	Score	407
Exons	17936..18155		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58989	Strand	+
Start	17936	End	18359
Name	OJ000250_65.0217.C10.o1.np	Method	AAT/NAP
Start	17951	End	18359
GI	5777630	Score	134
Exons	17951..18124, 18155..18359		
GI Descrip.	(AJ245900) CAA303718.1 protein [Oryza sativa]		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58990	Strand	-
Start	9691	End	9767
Name	OJ000250_65.0217.C10.o6.gp	Method	AAT/GAP
Start	9691	End	9767
GI	5867_1.R1084	Score	103
Exons	9691..9767		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58991	Strand	-
Start	10281	End	10434
Name	OJ000250_65.0217.C10.o7.gp	Method	AAT/GAP
Start	10281	End	10434
GI	LIB3474-009-P1-K1-F11	Score	240
Exons	10281..10434		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58992	Strand	-
Start	17855	End	18358
Name	OJ000250_65.0217.C10.o4.gs	Method	GENSCAN
Start	17855	End	18316
GI	none	Score	.95
Exons	17855..18316		

Seq. No.	28570	Seq. ID	OJ000250_65.0217.C10
Gene No.	58992	Strand	-
Start	17855	End	18358
Name	OJ000250_65.0217.C10.o1.tm	Method	TBLASTX:Maize
Start	18064	End	18358
GI	none	Score	71
Exons	18064..18102, 18173..18274, 18174..18245, 18182..18277, 18254..18358		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58993	Strand	+

Start	1	End	540
Name	OJ000250_65.0217.C11.o1.np	Method	AAT/NAP
Start	1	End	540
GI	5777630	Score	444
Exons	1..540		
GI Descrip.	(AJ245900) CAA303718.1 protein [Oryza sativa]		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58993	Strand	+
Start	1	End	540
Name	OJ000250_65.0217.C11.o1.gs	Method	GENSCAN
Start	91	End	537
GI	none	Score	.76
Exons	91..537		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58994	Strand	+
Start	586	End	789
Name	OJ000250_65.0217.C11.o1.gp	Method	AAT/GAP
Start	586	End	789
GI	none	Score	388
Exons	586..789		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58995	Strand	+
Start	2450	End	2849
Name	OJ000250_65.0217.C11.o2.gp	Method	AAT/GAP
Start	2450	End	2849
GI	none	Score	761
Exons	2450..2849		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58996	Strand	+
Start	7707	End	9175
Name	OJ000250_65.0217.C11.o4.gs	Method	GENSCAN
Start	7707	End	9175
GI	none	Score	.46
Exons	7707..7796, 7962..8375, 8377..8694, 8750..8894, 9060..9175		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58997	Strand	-
Start	1196	End	2306
Name	OJ000250_65.0217.C11.o2.gs	Method	GENSCAN
Start	1196	End	2306
GI	none	Score	.9
Exons	1196..1323, 1393..1553, 1918..1996, 2081..2306		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58998	Strand	-
Start	2876	End	8216
Name	OJ000250_65.0217.C11.o3.gs	Method	GENSCAN
Start	2876	End	7532
GI	none	Score	.78
Exons	2876..3166, 3467..3672, 3754..4047, 4145..4343, 4972..5055, 5149..5412, 5966..6138, 6284..6347, 6429..6583, 7457..7532		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11

Gene No.	58998	Strand	-
Start	2876	End	8216
Name	OJ000250_65.0217.C11.o2.np	Method	AAT/NAP
Start	2879	End	8216
GI	6520167	Score	1648
Exons	2879..3166, 3301..3351, 3467..3672, 3754..4012, 4095..4343, 4430..4493, 4609..4785, 4922..5064, 5212..5393, 5877..6138, 6275..6347, 6429..6583, 7457..7542, 8047..8216		
GI Descrip.	(AB028199) ZW18 [Arabidopsis thaliana]		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58998	Strand	-
Start	2876	End	8216
Name	OJ000250_65.0217.C11.o3.gp	Method	AAT/GAP
Start	4628	End	5225
GI	uC-osrocyp013c07b1	Score	626
Exons	4628..4785, 4922..5055, 5149..5225		
GI Descrip.	'3540180 2.0e-11 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58998	Strand	-
Start	2876	End	8216
Name	OJ000250_65.0217.C11.o4.gp	Method	AAT/GAP
Start	5962	End	7506
GI	uC-osf1M202050d08b1	Score	823
Exons	5962..6152, 6284..6347, 6429..6583, 7457..7506		
GI Descrip.	'3540180 2.0e-38 (AC004122) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o2.tc	Method	TBLASTX:Cress
Start	229	End	629
GI	none	Score	122
Exons	229..366, 234..317, 430..516, 438..578, 603..629		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o8.ts	Method	TBLASTX:Soybean
Start	229	End	510
GI	none	Score	130
Exons	229..366, 430..510		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o6.tm	Method	TBLASTX:Maize
Start	229	End	521
GI	none	Score	133
Exons	229..366, 232..498, 237..521, 430..513		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082

Name	OJ000250_65.0217.C11.o2.tm	Method	TBLASTX:Maize
Start	2682	End	3509
GI	none	Score	75
Exons	2682..2768, 2689..2760, 2769..2828, 2770..2829, 2861..3169, 2865..3167, 2875..3168, 2875..3174, 3280..3369, 3282..3353, 3299..3385, 3301..3369, 3464..3508, 3468..3509		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o6.ts	Method	TBLASTX:Soybean
Start	2830	End	3029
GI	none	Score	41
Exons	2830..2862, 2852..3025, 2876..3028, 2877..3029		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o1.tw	Method	TBLASTX:Wheat
Start	2852	End	3496
GI	none	Score	54
Exons	2852..2908, 2875..2907, 2882..3169, 2883..3167, 2914..3174, 2915..3169, 3296..3367, 3299..3370, 3300..3371, 3301..3369, 3467..3496		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o1.ts	Method	TBLASTX:Soybean
Start	3030	End	4022
GI	none	Score	114
Exons	3030..3167, 3032..3169, 3039..3182, 3252..3347, 3301..3366, 3305..3352, 3465..3704, 3466..3624, 3467..3673, 3519..3680, 3741..4022, 3758..4015		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o1.tc	Method	TBLASTX:Cress
Start	3467	End	3953
GI	none	Score	200
Exons	3467..3712, 3468..3659, 3750..3953, 3755..3952		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o1.tm	Method	TBLASTX:Maize
Start	3549	End	4481
GI	none	Score	102
Exons	3549..3656, 3554..3655, 3570..3656, 3586..3657, 3753..3869, 3755..4036, 3756..4013, 4080..4127, 4083..4154, 4096..4137, 4113..4328, 4130..4327, 4137..4331, 4138..4341, 4392..4481, 4415..4480		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082

Name	OJ000250_65.0217.C11.o7.ts	Method	TBLASTX:Soybean
Start	4641	End	5061
GI	none	Score	77
Exons	4641..4823, 4684..4788, 4945..5061		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o5.tm	Method	TBLASTX:Maize
Start	4981	End	7545
GI	none	Score	45
Exons	4981..5061, 5148..5177, 5150..5230, 5169..5411, 5203..5442, 5254..5412, 5954..6151, 5957..6154, 6249..6350, 6283..6348, 6297..6350, 6427..6585, 6429..6596, 6429..6596, 6430..6597, 7437..7541, 7437..7541, 7459..7542, 7459..7545		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o5.gs	Method	GENSCAN
Start	10106	End	24082
GI	none	Score	.69
Exons	10106..10296, 10721..10749, 10854..10926, 12386..12569, 14061..14154, 15337..15689, 15947..16081, 16394..16459, 16546..16641, 17098..17253, 17409..17529, 17661..17696, 19869..19966, 20105..20398, 20649..20711, 21087..21245, 21364..21428, 21740..21908, 22206..22282, 23837..24082		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o5.gp	Method	AAT/GAP
Start	10832	End	15487
GI	14590_1.R1084	Score	2364
Exons	10832..11646, 12390..12569, 14061..14154, 15337..15487		
GI Descrip.	'3892150/emb|CAA86338.1| 1.0e-09 (Z46242) similar to WD domain, G-beta repeat; cDNA EST yk283e3.3 comes from this gene; cDNA EST yk238e2.3 comes from this gene; cDNA EST yk283e3.5 comes from this gene; cDNA EST yk238e2.5 comes from this gene [Caenorhabditis '		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o3.np	Method	AAT/NAP
Start	11551	End	21462
GI	6729019	Score	1964
Exons	11551..11646, 12350..12565, 14057..14154, 15337..15689, 15947..16081, 16161..16199, 16394..16459, 16546..16667, 17166..17334, 17409..17529, 19869..19966, 20105..20398, 20487..20576, 20649..20711, 21087..21251, 21364..21462		
GI Descrip.	(AC009177) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o4.tm	Method	TBLASTX:Maize

Start	15288	End	19973
GI	none	Score	34
Exons	15288..15305, 15312..15695, 15319..15690, 15944..16078, 15944..16081, 15948..16082, 15949..16083, 16158..16208, 16159..16200, 16388..16462, 16391..16459, 16392..16463, 16522..16641, 16534..16641, 16538..16642, 17095..17334, 17096..17335, 17406..17558, 17407..17532, 17660..17698, 17661..17699, 19821..19973, 19865..19966		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o5.ts	Method	TBLASTX:Soybean
Start	15411	End	16644
GI	none	Score	106
Exons	15411..15536, 15412..15504, 15475..15645, 15516..15641, 15627..15692, 15637..15687, 15944..16081, 15945..16082, 15945..16082, 15946..16083, 16158..16202, 16388..16432, 16421..16459, 16541..16642, 16546..16644, 16546..16644		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o6.gp	Method	AAT/GAP
Start	15637	End	16459
GI	2311999	Score	544
Exons	15637..15689, 15947..16081, 16161..16199, 16394..16459		
GI Descrip.	3892150/emb|CAA86338.1| 1.0e-09 (Z46242) similar to WD domain, G-beta repeat; cDNA EST yk283e3.3 comes from this gene; cDNA EST yk238e2.3 comes from this gene; cDNA EST yk283e3.5 comes from this gene; cDNA EST yk238e2.5 comes from this gene [Caenorhabditis		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o7.gp	Method	AAT/GAP
Start	16557	End	17705
GI	uC-osflcyp013h04b1	Score	854
Exons	16557..16641, 17098..17334, 17409..17529, 17661..17705		
GI Descrip.	'3892150/emb|CAA86338.1| 7.0e-14 (Z46242) similar to WD domain, G-beta repeat; cDNA EST yk283e3.3 comes from this gene; cDNA EST yk238e2.3 comes from this gene; cDNA EST yk283e3.5 comes from this gene; cDNA EST yk238e2.5 comes from this gene [Caenorhabditis '		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o2.ts	Method	TBLASTX:Soybean
Start	17180	End	19970
GI	none	Score	145
Exons	17180..17332, 17185..17340, 17406..17558, 17415..17525, 17416..17532, 17660..17698, 17661..17699, 19865..19966, 19869..19970		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11

Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o3.ts	Method	TBLASTX:Soybean
Start	20082	End	20410
GI	none	Score	125
Exons	20082..20204, 20095..20199, 20099..20266, 20105..20266, 20273..20398, 20274..20402, 20294..20410		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o3.tm	Method	TBLASTX:Maize
Start	20134	End	21472
GI	none	Score	270
Exons	20134..20352, 20134..20301, 20138..20398, 20139..20399, 20474..20581, 20487..20579, 20646..20711, 20647..20712, 21084..21248, 21085..21246, 21086..21247, 21364..21465, 21374..21466, 21380..21472		

Seq. No.	28571	Seq. ID	OJ000250_65.0217.C11
Gene No.	58999	Strand	-
Start	10106	End	24082
Name	OJ000250_65.0217.C11.o4.ts	Method	TBLASTX:Soybean
Start	20487	End	21465
GI	none	Score	106
Exons	20487..20579, 20488..20589, 20628..20699, 20653..20679, 21084..21263, 21085..21246, 21373..21465, 21374..21463		

Seq. No.	28572	Seq. ID	OJ000250_60.0214.C1
Gene No.	59000	Strand	+
Start	1	End	124
Name	OJ000250_60.0214.C1.o1.gp	Method	AAT/GAP
Start	1	End	124
GI	1629_2.R1084	Score	216
Exons	1..124		
GI Descrip.	'1245217/gb|U49840|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	28572	Seq. ID	OJ000250_60.0214.C1
Gene No.	59001	Strand	-
Start	32	End	175
Name	OJ000250_60.0214.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	120
GI	none	Score	114
Exons	1..57, 3..59, 3..56, 44..118, 58..120, 58..117		

Seq. No.	28572	Seq. ID	OJ000250_60.0214.C1
Gene No.	59001	Strand	-
Start	32	End	175
Name	OJ000250_60.0214.C1.o1.tm	Method	TBLASTX:Maize
Start	14	End	120
GI	none	Score	183
Exons	14..118, 14..118, 15..119, 16..120		

Seq. No.	28572	Seq. ID	OJ000250_60.0214.C1
Gene No.	59001	Strand	-

Start	32	End	175
Name	OJ000250_60.0214.C1.o1.gs	Method	GENSCAN
Start	32	End	175
GI	none	Score	.92
Exons	32..175		

Seq. No.	28573	Seq. ID	OJ000250_60.0214.C2
Gene No.	59002	Strand	-
Start	1	End	642
Name	OJ000250_60.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	642
GI	2498930	Score	728
Exons	1..406, 574..642		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59003	Strand	+
Start	1	End	266
Name	OJ000250_60.0214.C3.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	2653_1.R1084	Score	508
Exons	1..266		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59004	Strand	+
Start	270	End	757
Name	OJ000250_60.0214.C3.o2.gp	Method	AAT/GAP
Start	270	End	757
GI	7528_2.R1084	Score	894
Exons	270..757		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59005	Strand	-
Start	1	End	113
Name	OJ000250_60.0214.C3.o1.np	Method	AAT/NAP
Start	1	End	113
GI	11998	Score	184
Exons	1..113		
GI Descrip.	(X15901) ORF85 [Oryza sativa] gi|226619|prf||1603356AR ORF 85A [Oryza sativa]		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59006	Strand	-
Start	144	End	710
Name	OJ000250_60.0214.C3.o1.tm	Method	TBLASTX:Maize
Start	126	End	545
GI	none	Score	641
Exons	126..530, 126..527, 128..535, 513..545		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3

Gene No.	59006	Strand	-
Start	144	End	710
Name	OJ000250_60.0214.C3.o1.ts	Method	TBLASTX:Soybean
Start	126	End	710
GI	none	Score	56
Exons	126..203, 144..203, 225..281, 230..292, 230..289, 312..527, 315..527, 358..561, 515..652, 549..710, 565..705		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59006	Strand	-
Start	144	End	710
Name	OJ000250_60.0214.C3.o1.tc	Method	TBLASTX:Cress
Start	143	End	704
GI	none	Score	109
Exons	143..232, 144..227, 211..279, 213..701, 219..704		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59006	Strand	-
Start	144	End	710
Name	OJ000250_60.0214.C3.o1.gs	Method	GENSCAN
Start	144	End	701
GI	none	Score	.76
Exons	144..484, 569..610, 644..701		

Seq. No.	28574	Seq. ID	OJ000250_60.0214.C3
Gene No.	59006	Strand	-
Start	144	End	710
Name	OJ000250_60.0214.C3.o2.np	Method	AAT/NAP
Start	147	End	701
GI	140291	Score	977
Exons	147..701		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	28575	Seq. ID	OJ000250_60.0214.C4
Gene No.	59007	Strand	+
Start	104	End	214
Name	OJ000250_60.0214.C4.o1.np	Method	AAT/NAP
Start	104	End	214
GI	6723799	Score	112
Exons	104..214		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723824|emb|CAB67235.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	28575	Seq. ID	OJ000250_60.0214.C4
Gene No.	59008	Strand	-
Start	1	End	248
Name	OJ000250_60.0214.C4.o1.gp	Method	AAT/GAP
Start	1	End	248
GI	183_5.R1084	Score	453
Exons	1..248		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein		

S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'

Seq. No.	28575	Seq. ID	OJ000250_60.0214.C4
Gene No.	59009	Strand	-
Start	442	End	727
Name	OJ000250_60.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	246
GI	none	Score	212
Exons	1..129, 1..129, 2..130, 3..206, 118..246, 130..246		

Seq. No.	28575	Seq. ID	OJ000250_60.0214.C4
Gene No.	59009	Strand	-
Start	442	End	727
Name	OJ000250_60.0214.C4.o2.np	Method	AAT/NAP
Start	442	End	727
GI	225268	Score	402
Exons	442..727		
GI Descrip.	NADH dehydrogenase 2-like ORF 180 [Nicotiana tabacum]		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59010	Strand	+
Start	562	End	685
Name	OJ000250_60.0214.C6.o2.gp	Method	AAT/GAP
Start	562	End	685
GI	57581_1.R1084	Score	216
Exons	562..685		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59011	Strand	+
Start	741	End	926
Name	OJ000250_60.0214.C6.o3.gp	Method	AAT/GAP
Start	741	End	926
GI	57581_2.R1084	Score	328
Exons	741..926		
GI Descrip.	'343690/gb|M37274|WHTMT26SRR 0.0e+00 Wheat mitochondrial 26S rRNA gene, complete cds'		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	273
GI	1785675	Score	283
Exons	1..273		
GI Descrip.	(Y08501) orf107a [Arabidopsis thaliana]		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o2.tw	Method	TBLASTX:Wheat
Start	94	End	384
GI	none	Score	115
Exons	94..168, 110..169, 110..169, 166..249, 167..229, 180..269,		

231..290, 231..290, 232..294, 233..313, 281..352, 285..353, 290..355, 291..353, 294..383, 352..384, 352..384

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.gp	Method	AAT/GAP
Start	99	End	524
GI	57581_1.R1084	Score	782
Exons	99..524		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	114	End	902
GI	none	Score	104
Exons	114..170, 115..171, 116..172, 116..172, 167..367, 170..364, 171..365, 366..413, 366..413, 367..414, 367..414, 368..415, 523..684, 524..682, 746..796, 747..800, 748..795, 782..889, 792..902, 807..884, 808..888		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	133	End	261
GI	none	Score	63
Exons	133..171, 134..172, 134..172, 166..261, 167..259, 172..261		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.gs	Method	GENSCAN
Start	312	End	838
GI	none	Score	.49
Exons	312..446, 830..838		

Seq. No.	28576	Seq. ID	OJ000250_60.0214.C6
Gene No.	59012	Strand	-
Start	1	End	902
Name	OJ000250_60.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	385	End	875
GI	none	Score	70
Exons	385..423, 386..424, 386..424, 394..684, 404..682, 741..785, 741..785, 742..786, 742..786, 743..784, 790..873, 791..871, 792..875		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59013	Strand	+
Start	2017	End	2114
Name	OJ000250_60.0214.C7.o2.gp	Method	AAT/GAP
Start	2017	End	2114
GI	57581_1.R1084	Score	172
Exons	2017..2114		

GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59014	Strand	+
Start	2196	End	2381
Name	OJ000250_60.0214.C7.o3.gp	Method	AAT/GAP
Start	2196	End	2381
GI	57581_2.R1084	Score	308
Exons	2196..2381		
GI Descrip.	'343690/gb|M37274|WHTMT26SRR 0.0e+00 Wheat mitochondrial 26S rRNA gene, complete cds'		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59015	Strand	+
Start	6283	End	7263
Name	OJ000250_60.0214.C7.o3.np	Method	AAT/NAP
Start	6253	End	7263
GI	486791	Score	1747
Exons	6253..7263		
GI Descrip.	H+-transporting ATP synthase (EC 3.6.1.34) protein 6 - rice mitochondrion gi|629789|pir||S42860 ATPase chain 6 - rice gi|299525|bbs|129615 (S59890) N-atp6 [Oryza sativa subsp. japonica] gi|299527|bbs|129618 (S59393) B-atp6 [Oryza sativa subsp. japonica] gi|440859|dbj|BAA03271| (D14339) ATPase subunit 6 [Oryza sativa]		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59015	Strand	+
Start	6283	End	7263
Name	OJ000250_60.0214.C7.o2.gs	Method	GENSCAN
Start	6283	End	6967
GI	none	Score	.61
Exons	6283..6720, 6887..6967		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o1.np	Method	AAT/NAP
Start	1	End	2298
GI	128732	Score	290
Exons	1..81, 402..623, 2272..2298		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi|66181|pir||DERZN4 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - rice chloroplast gi|12050|emb|CAA33953| (X15901) NADH dehydrogenase ND4 [Oryza sativa] gi|226670|prf||1603356CX NADH dehydrogenase ND4 [Oryza sativa]		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o2.ts	Method	TBLASTX:Soybean
Start	432	End	632
GI	none	Score	148
Exons	432..617, 432..632, 439..624		
Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7

Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o3.tc	Method	TBLASTX:Cress
Start	432	End	640
GI	none	Score	133
Exons	432..620, 432..632, 433..624, 458..640		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o2.np	Method	AAT/NAP
Start	539	End	1728
GI	1785675	Score	256
Exons	539..641, 1504..1728		
GI Descrip.	(Y08501) orf107a [Arabidopsis thaliana]		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o2.tw	Method	TBLASTX:Wheat
Start	1553	End	1839
GI	none	Score	133
Exons	1553..1624, 1556..1624, 1557..1625, 1558..1626, 1621..1704, 1622..1687, 1625..1705, 1635..1709, 1689..1715, 1690..1716, 1785..1838, 1785..1838, 1786..1839		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o1.tc	Method	TBLASTX:Cress
Start	1569	End	2357
GI	none	Score	104
Exons	1569..1625, 1570..1626, 1571..1627, 1571..1627, 1621..1716, 1622..1717, 1821..1868, 1821..1868, 1822..1869, 1822..1869, 1823..1870, 1978..2112, 1979..2113, 2200..2250, 2201..2251, 2202..2255, 2203..2250, 2237..2344, 2247..2357, 2263..2343		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o3.ts	Method	TBLASTX:Soybean
Start	1588	End	1716
GI	none	Score	63
Exons	1588..1626, 1589..1627, 1589..1627, 1621..1716, 1622..1714, 1627..1716		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59016	Strand	-
Start	1	End	2357
Name	OJ000250_60.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	1840	End	2330
GI	none	Score	70
Exons	1840..1878, 1841..1879, 1841..1879, 1849..2112, 1849..2112, 1859..2113, 2196..2240, 2196..2240, 2197..2241, 2198..2239, 2245..2328, 2246..2326, 2247..2330		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7

Gene No.	59017	Strand	
Start	5167	End	5416
Name	OJ000250_60.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	5167	End	5416
GI	none	Score	54
Exons	5167..5202, 5171..5212, 5217..5276, 5254..5385, 5259..5387, 5264..5383, 5285..5416, 5293..5388		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59018	Strand	
Start	5460	End	5724
Name	OJ000250_60.0214.C7.o2.tc	Method	TBLASTX:Cress
Start	5460	End	5721
GI	none	Score	65
Exons	5460..5510, 5461..5514, 5462..5512, 5513..5716, 5515..5721		

Seq. No.	28577	Seq. ID	OJ000250_60.0214.C7
Gene No.	59018	Strand	
Start	5460	End	5724
Name	OJ000250_60.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	5471	End	5724
GI	none	Score	321
Exons	5471..5716, 5473..5724, 5473..5721		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59019	Strand	+
Start	2650	End	3291
Name	OJ000250_60.0214.C8.o2.gp	Method	AAT/GAP
Start	2650	End	3291
GI	24824_1.R1084	Score	1196
Exons	2650..3291		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59019	Strand	+
Start	2650	End	3291
Name	OJ000250_60.0214.C8.o2.np	Method	AAT/NAP
Start	2701	End	3276
GI	476752	Score	983
Exons	2701..3276		
GI Descrip.	(L24073) rubisco large subunit [Oryza sativa] gi|1583954|prf||2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59020	Strand	-
Start	1	End	2186
Name	OJ000250_60.0214.C8.o1.np	Method	AAT/NAP
Start	1	End	1903
GI	6815115	Score	305
Exons	1..94, 1708..1903		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59020	Strand	-

Start	1	End	2186
Name	OJ000250_60.0214.C8.o1.gp	Method	AAT/GAP
Start	1670	End	2186
GI	uC-osf1M202083h12b1	Score	912
Exons	1670..2186		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59021	Strand	-
Start	3322	End	4029
Name	OJ000250_60.0214.C8.o3.np	Method	AAT/NAP
Start	3322	End	4029
GI	133912	Score	1222
Exons	3322..4029		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S2 gi|70859|pir||R3RZ2 ribosomal protein S2 - rice chloroplast gi|11974|emb|CAA33989| (X15901) ribosomal protein S2 [Oryza sativa] gi|226692|prf||1603356T ribosomal protein S2 [Oryza sativa]		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o7.tm	Method	TBLASTX:Maize
Start	192	End	414
GI	none	Score	346
Exons	192..410, 192..410, 193..411, 193..414		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o4.ts	Method	TBLASTX:Soybean
Start	1679	End	2394
GI	none	Score	176
Exons	1679..1903, 1703..1903, 1710..1904, 2338..2394		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o4.tc	Method	TBLASTX:Cress
Start	1691	End	1907
GI	none	Score	199
Exons	1691..1906, 1710..1907		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o5.tm	Method	TBLASTX:Maize
Start	1691	End	2001
GI	none	Score	307
Exons	1691..1927, 1703..1912, 1708..1959, 1710..1955, 1950..1979, 1950..1979, 1984..2001		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o3.tw	Method	TBLASTX:Wheat
Start	1777	End	2209

GI	none	Score	215
Exons	1777..1926, 1777..1872, 1779..1916, 1878..1988, 1923..2009, 1924..1998, 1987..2208, 1996..2175, 2000..2209		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o8.tm	Method	TBLASTX:Maize
Start	2002	End	2192
GI	none	Score	204
Exons	2002..2139, 2002..2139, 2003..2164, 2004..2141, 2132..2188, 2136..2192, 2137..2175, 2138..2191		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o6.tm	Method	TBLASTX:Maize
Start	2334	End	2643
GI	none	Score	186
Exons	2334..2456, 2338..2457, 2433..2543, 2442..2498, 2444..2521, 2446..2541, 2447..2551, 2516..2641, 2518..2643, 2560..2643		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o1.tw	Method	TBLASTX:Wheat
Start	2377	End	3062
GI	none	Score	203
Exons	2377..2538, 2379..2522, 2496..2594, 2525..2587, 2550..2624, 2588..3016, 2608..3060, 2608..3060, 2637..3062, 2879..3061		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o3.ts	Method	TBLASTX:Soybean
Start	2617	End	3279
GI	none	Score	959
Exons	2617..3279, 2617..3270, 2805..3272		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o2.tc	Method	TBLASTX:Cress
Start	2626	End	3102
GI	none	Score	41
Exons	2626..2658, 2660..3010, 2661..3083, 2662..3102, 2665..3102		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o1.tm	Method	TBLASTX:Maize
Start	2644	End	3279
GI	none	Score	854
Exons	2644..3273, 2655..3272, 2656..3279		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-

Start	4362	End	5265
Name	OJ000250_60.0214.C8.o4.tw	Method	TBLASTX:Wheat
Start	3063	End	3245
GI	none	Score	319
Exons	3063..3245, 3064..3243		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o2.ts	Method	TBLASTX:Soybean
Start	3306	End	4031
GI	none	Score	307
Exons	3306..3758, 3311..4027, 3316..4026, 3333..4031, 3340..4029		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o3.tm	Method	TBLASTX:Maize
Start	3538	End	3822
GI	none	Score	452
Exons	3538..3822, 3538..3822		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o3.tc	Method	TBLASTX:Cress
Start	3542	End	4164
GI	none	Score	118
Exons	3542..3655, 3544..3657, 3652..4026, 3653..4027, 3655..4029, 4144..4164, 4146..4163		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o2.tm	Method	TBLASTX:Maize
Start	3823	End	4484
GI	none	Score	47
Exons	3823..3849, 3823..3849, 3843..3971, 3844..4029, 3844..4026, 3863..4039, 4078..4161, 4079..4171, 4101..4163, 4133..4177, 4163..4228, 4163..4228, 4236..4277, 4236..4271, 4275..4313, 4282..4314, 4283..4315, 4310..4438, 4311..4430, 4312..4431, 4420..4482, 4423..4482, 4425..4484		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o4.np	Method	AAT/NAP
Start	4304	End	5265
GI	133446	Score	1584
Exons	4304..5265		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-

Start	4362	End	5265
Name	OJ000250_60.0214.C8.o2.tw	Method	TBLASTX:Wheat
Start	4319	End	4728
GI	none	Score	123
Exons	4319..4405, 4319..4438, 4320..4430, 4324..4431, 4324..4467, 4326..4481, 4420..4719, 4423..4728, 4424..4720, 4425..4724		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o1.ts	Method	TBLASTX:Soybean
Start	4359	End	5264
GI	none	Score	84
Exons	4359..4460, 4363..4461, 4363..4437, 4422..4550, 4456..4788, 4458..5210, 4486..5211, 4834..5211, 5220..5261, 5220..5264		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o2.gs	Method	GENSCAN
Start	4362	End	5179
GI	none	Score	.49
Exons	4362..5179		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o1.tc	Method	TBLASTX:Cress
Start	4364	End	5264
GI	none	Score	69
Exons	4364..4474, 4365..4460, 4460..4558, 4479..4682, 4479..5210, 4486..5211, 4510..5211, 5219..5260, 5223..5264, 5233..5259		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o4.tm	Method	TBLASTX:Maize
Start	4485	End	4779
GI	none	Score	256
Exons	4485..4685, 4485..4742, 4486..4743, 4690..4779, 4724..4771		

Seq. No.	28578	Seq. ID	OJ000250_60.0214.C8
Gene No.	59022	Strand	-
Start	4362	End	5265
Name	OJ000250_60.0214.C8.o9.tm	Method	TBLASTX:Maize
Start	4968	End	5105
GI	none	Score	212
Exons	4968..5105, 4968..5105		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59023	Strand	+
Start	756	End	1292
Name	OJ000250_60.0214.C9.o2.np	Method	AAT/NAP
Start	756	End	1289
GI	552858	Score	825
Exons	756..1289		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A		

cytochrome f [Oryza sativa]

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59023	Strand	+
Start	756	End	1292
Name	OJ000250_60.0214.C9.o1.gs	Method	GENSCAN
Start	850	End	1292
GI	none	Score	.56
Exons	850..1292		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59024	Strand	+
Start	2649	End	3114
Name	OJ000250_60.0214.C9.o6.np	Method	AAT/NAP
Start	2649	End	3114
GI	128690	Score	200
Exons	2649..2723, 2975..3114		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST gi|66161|pir||DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast gi|11989|emb|CAA34001| (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] gi|226610|prf||1603356AG NADH dehydrogenase ND3 [Oryza sativa]		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59024	Strand	+
Start	2649	End	3114
Name	OJ000250_60.0214.C9.o1.gp	Method	AAT/GAP
Start	2979	End	3114
GI	2409_1.R1084	Score	251
Exons	2979..3114		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o1.np	Method	AAT/NAP
Start	1	End	3114
GI	133446	Score	1212
Exons	1..762, 3048..3114		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi|66986|pir||RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - rice chloroplast gi|11973|emb|CAA33988| (X15901) RNA polymerase beta' subunit-2 [Oryza sativa]		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o2.tc	Method	TBLASTX:Cress
Start	68	End	753
GI	none	Score	49
Exons	68..160, 112..168, 238..573, 239..382, 247..384, 442..573, 470..574, 540..749, 568..750, 587..751, 589..753		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	402	End	759
GI	none	Score	493
Exons	402..749, 403..747, 436..759		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o2.tm	Method	TBLASTX:Maize
Start	475	End	745
GI	none	Score	376
Exons	475..744, 476..745, 477..743		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o3.tc	Method	TBLASTX:Cress
Start	757	End	1273
GI	none	Score	113
Exons	757..858, 777..887, 783..905, 831..1118, 856..1092, 977..1096, 1215..1271, 1215..1271, 1216..1272, 1223..1273		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	783	End	1313
GI	none	Score	107
Exons	783..887, 784..858, 786..905, 795..1304, 831..1313, 857..1312		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o4.tw	Method	TBLASTX:Wheat
Start	856	End	972
GI	none	Score	205
Exons	856..972, 858..971		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o3.tw	Method	TBLASTX:Wheat
Start	1091	End	1418
GI	none	Score	377
Exons	1091..1354, 1098..1418, 1098..1418		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o4.tc	Method	TBLASTX:Cress
Start	2242	End	2579
GI	none	Score	273
Exons	2242..2487, 2245..2487, 2526..2579, 2527..2577		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	2296	End	2579
GI	none	Score	364
Exons	2296..2511, 2296..2550, 2511..2579, 2512..2577, 2513..2578		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o3.np	Method	AAT/NAP
Start	2301	End	2420
GI	131350	Score	204
Exons	2301..2420		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER J PROTEIN gi|72721|pir||F2RZJ photosystem II protein psbJ - rice chloroplast gi|12001|emb|CAA33962| (X15901) ORF40; pot. PSII component [Oryza sativa] gi|226622|prf||1603356AV photosystem II component [Oryza sativa]		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	2531	End	2974
GI	none	Score	649
Exons	2531..2938, 2531..2974, 2533..2973		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o4.np	Method	AAT/NAP
Start	2550	End	2663
GI	131368	Score	198
Exons	2550..2663		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER L PROTEIN (PSII 5 KD PROTEIN) gi|72696|pir||F2RZL photosystem II protein psbL - rice chloroplast gi|72697|pir||F2WTL photosystem II protein psbL - wheat chloroplast gi|82447|pir||S04064 photosystem II protein psbL - barley chloroplast gi|82559|pir||S03193 photosystem II protein psbL - rye chloroplast gi|483158|pir||C48310 photosystem I		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o1.tc	Method	TBLASTX:Cress
Start	2618	End	2974
GI	none	Score	74
Exons	2618..2671, 2619..2675, 2619..2675, 2620..2676, 2677..2805, 2678..2806, 2678..2806, 2679..2807, 2811..2972, 2812..2973, 2813..2974		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-

Start	1	End	3114
Name	OJ000250_60.0214.C9.o2.gs	Method	GENSCAN
Start	2686	End	3023
GI	none	Score	.58
Exons	2686..2847, 2953..3023		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o5.np	Method	AAT/NAP
Start	2689	End	3070
GI	224159	Score	400
Exons	2689..3070		
GI Descrip.	cytochrome b559 [Spinacia oleracea]		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o2.ts	Method	TBLASTX:Soybean
Start	2978	End	3114
GI	none	Score	198
Exons	2978..3112, 2979..3113, 2980..3114, 3016..3114		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o3.tm	Method	TBLASTX:Maize
Start	2978	End	3114
GI	none	Score	219
Exons	2978..3112, 2979..3113, 3016..3114		

Seq. No.	28579	Seq. ID	OJ000250_60.0214.C9
Gene No.	59025	Strand	-
Start	1	End	3114
Name	OJ000250_60.0214.C9.o5.tc	Method	TBLASTX:Cress
Start	2978	End	3114
GI	none	Score	203
Exons	2978..3112, 2979..3113, 2980..3114, 3016..3114		

Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59026	Strand	+
Start	1	End	196
Name	OJ000250_60.0214.C10.o1.np	Method	AAT/NAP
Start	1	End	196
GI	131323	Score	314
Exons	1..196		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT K gi|72688|pir||F2RZG psbG protein - rice chloroplast gi|11988|emb|CAA34000| (X15901) psbG; PSII G protein [Oryza sativa] gi|226609|prf||1603356AF photosystem II G protein [Oryza sativa]		

Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	996
GI	none	Score	39

Exons	2..40, 3..35, 6..197, 13..228, 23..232, 25..189, 26..196, 201..239, 219..878, 237..872, 875..943, 876..947, 904..933, 936..995, 945..995, 946..996, 946..996		
Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o2.tc	Method	TBLASTX:Cress
Start	36	End	200
GI	none	Score	149
Exons	36..197, 36..200, 38..199		
Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o1.ts	Method	TBLASTX:Soybean
Start	287	End	737
GI	none	Score	689
Exons	287..661, 303..737, 303..737		
Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o1.gs	Method	GENSCAN
Start	297	End	776
GI	none	Score	.4
Exons	297..776		
Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o2.np	Method	AAT/NAP
Start	297	End	773
GI	128857	Score	876
Exons	297..773		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE SUBUNIT J (ORF 159) gi|82539|pir||S05106 hypothetical protein 159 - rice chloroplast gi|11987|emb|CAA33999| (X15901) ORF159 [Oryza sativa] gi|226608|prf||1603356AE ORF 159 [Oryza sativa]		
Seq. No.	28580	Seq. ID	OJ000250_60.0214.C10
Gene No.	59027	Strand	+
Start	297	End	996
Name	OJ000250_60.0214.C10.o1.tc	Method	TBLASTX:Cress
Start	312	End	789
GI	none	Score	703
Exons	312..788, 314..658, 321..788, 322..789, 577..789		
Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o2.tc	Method	TBLASTX:Cress
Start	525	End	991
GI	none	Score	82
Exons	525..620, 534..620, 539..628, 541..660, 544..621, 778..849, 862..984, 866..991, 867..989		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o2.gp	Method	AAT/GAP
Start	748	End	1661
GI	183_1.R1084	Score	1293
Exons	748..772, 993..1661		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o2.tm	Method	TBLASTX:Maize
Start	749	End	990
GI	none	Score	116
Exons	749..874, 750..860, 769..900, 860..988, 876..989, 886..990		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o1.gp	Method	AAT/GAP
Start	871	End	986
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	871..986		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o1.np	Method	AAT/NAP
Start	924	End	1395
GI	133999	Score	639
Exons	924..1395		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 gi|70904|pir||R3RZ7 ribosomal protein S7 - rice chloroplast gi|12037|emb|CAA33942| (X15901) ribosomal protein S7 [Oryza sativa] gi|12065|emb|CAA33919| (X15901) ribosomal protein S7 [Oryza sativa] gi|226657|prf||1603356CH ribosomal protein S7 [Oryza sativa]		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o1.tc	Method	TBLASTX:Cress
Start	992	End	1450
GI	none	Score	70
Exons	992..1087, 992..1051, 1019..1117, 1023..1163, 1024..1164, 1025..1165, 1170..1415, 1187..1414, 1189..1419, 1415..1450, 1418..1447		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o1.ts	Method	TBLASTX:Soybean
Start	993	End	1462
GI	none	Score	54
Exons	993..1034, 994..1032, 996..1034, 1028..1162, 1028..1117, 1030..1161, 1170..1415, 1175..1414, 1189..1419, 1415..1462, 1418..1459		

Seq. No.	28581	Seq. ID	OJ000250_60.0214.C11
Gene No.	59028	Strand	+
Start	748	End	1661
Name	OJ000250_60.0214.C11.o1.tm	Method	TBLASTX:Maize
Start	994	End	1517
GI	none	Score	69
Exons	994..1032, 996..1034, 1020..1445, 1022..1489, 1029..1517, 1030..1491, 1175..1492		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o1.np	Method	AAT/NAP
Start	249	End	2028
GI	225269	Score	363
Exons	249..496, 1964..2028		
GI Descrip.	NADH dehydrogenase 2-like ORF 260 [Nicotiana tabacum]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o3.np	Method	AAT/NAP
Start	1154	End	1453
GI	82515	Score	513
Exons	1154..1453		
GI Descrip.	hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi|11963|emb|CAA34012| (X15901) ORF100 [Oryza sativa] gi|226681|prf||1603356F ORF 100 [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o2.gs	Method	GENSCAN
Start	1705	End	4139
GI	none	Score	.58
Exons	1705..2749, 3240..3424, 3600..4139		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o4.np	Method	AAT/NAP
Start	2714	End	4136
GI	131283	Score	2517
Exons	2714..4136		
GI Descrip.	PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) gi|72710|pir||F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast gi|11965|emb|CAA34014| (X15901)		

PSII 43kDa protein [Oryza sativa]

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o1.gp	Method	AAT/GAP
Start	2841	End	3298
GI	2231_2.R1084	Score	828
Exons	2841..3298		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59029	Strand	+
Start	249	End	4286
Name	OJ000250_60.0214.C12.o2.gp	Method	AAT/GAP
Start	3394	End	4286
GI	7587_1.R1084	Score	1665
Exons	3394..4286		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59030	Strand	+
Start	4393	End	4722
Name	OJ000250_60.0214.C12.o3.gp	Method	AAT/GAP
Start	4393	End	4722
GI	5607533	Score	485
Exons	4393..4722		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59031	Strand	+
Start	4722	End	4931
Name	OJ000250_60.0214.C12.o5.np	Method	AAT/NAP
Start	4722	End	4931
GI	1022811	Score	336
Exons	4722..4931		
GI Descrip.	(U37703) ORF 62 [Hordeum vulgare]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59032	Strand	+
Start	5453	End	5630
Name	OJ000250_60.0214.C12.o5.gp	Method	AAT/GAP
Start	5453	End	5630
GI	306_9.R1084	Score	219
Exons	5453..5630		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59033	Strand	+
Start	7425	End	8197

Name	OJ000250_60.0214.C12.o7.np	Method	AAT/NAP
Start	7129	End	7254
GI	82529	Score	171
Exons	7129..7254		
GI Descrip.	hypothetical 5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11993|emb|CAA34005| (X15901) ORF42; homology to rpl23 [Oryza sativa] gi|226614|prf||1603356AL rpl23-like ORF 44 [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59033	Strand	+
Start	7425	End	8197
Name	OJ000250_60.0214.C12.o8.np	Method	AAT/NAP
Start	7281	End	7679
GI	82520	Score	681
Exons	7281..7679		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11994|emb|CAA34006| (X15901) ORF133 [Oryza sativa] gi|226615|prf||1603356AM ORF 133 [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59033	Strand	+
Start	7425	End	8197
Name	OJ000250_60.0214.C12.o3.gs	Method	GENSCAN
Start	7425	End	8197
GI	none	Score	.4
Exons	7425..7625, 8102..8197		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59033	Strand	+
Start	7425	End	8197
Name	OJ000250_60.0214.C12.o9.np	Method	AAT/NAP
Start	7877	End	8194
GI	140473	Score	557
Exons	7877..8194		
GI Descrip.	ACETYL-COENZYME A CARBOXYLASE CARBOXYL TRANSFERASE SUBUNIT BETA (ACCASE BETA CHAIN) gi|82516|pir||JQ0234 hypothetical 12.5K protein (rbcL-psaI intergenic region) - rice chloroplast gi|11995|emb|CAA33956| (X15901) ORF106 [Oryza sativa] gi|226616|prf||1603356AN ORF 106 [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59034	Strand	+
Start	8783	End	10625
Name	OJ000250_60.0214.C12.o6.gp	Method	AAT/GAP
Start	8468	End	8975
GI	7528_1.R1084	Score	910
Exons	8468..8975		
GI Descrip.	'131205/sp|P12186|PSAI_ORYSA 9.0e-13 PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) >gi_72677_pir__A1RZI photosystem I protein psaI - rice chloroplast >gi_11996_emb_CAA33957_ (X15901) ORF36 [Oryza sativa] >gi_226617_prf__1603356AP photosystem I small peptide [Oryza sativa]'		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59034	Strand	+
Start	8783	End	10625

Name	OJ000250_60.0214.C12.o10.np	Method	AAT/NAP
Start	8535	End	8642
GI	131205	Score	178
Exons	8535..8642		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) gi|72677|pir||A1RZI photosystem I protein psaI - rice chloroplast gi|11996|emb|CAA33957| (X15901) ORF36 [Oryza sativa] gi|226617|prf||1603356AP photosystem I small peptide [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59034	Strand	+
Start	8783	End	10625
Name	OJ000250_60.0214.C12.o4.gs	Method	GENSCAN
Start	8783	End	10625
GI	none	Score	.54
Exons	8783..8833, 10337..10387, 10503..10625		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59035	Strand	-
Start	564	End	2114
Name	OJ000250_60.0214.C12.o2.np	Method	AAT/NAP
Start	564	End	2114
GI	114559	Score	522
Exons	564..923, 2082..2114		
GI Descrip.	ATP SYNTHASE BETA CHAIN gi|67836|pir||PWRZB H+-transporting ATP synthase (EC 3.6.1.34) beta chain - rice chloroplast gi|11991|emb|CAA34003| (X15901) atpB; ATPase beta subunit [Oryza sativa] gi|344014|dbj|BAA00334| (D00432) ATP synthetase beta subunit [Oryza sativa] gi|226612|prf||1603356AJ ATPase beta [Oryza sativa]		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59035	Strand	-
Start	564	End	2114
Name	OJ000250_60.0214.C12.o1.gs	Method	GENSCAN
Start	583	End	877
GI	none	Score	.81
Exons	583..877		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59036	Strand	-
Start	4604	End	5062
Name	OJ000250_60.0214.C12.o4.gp	Method	AAT/GAP
Start	4604	End	5062
GI	45273_1.R1084	Score	850
Exons	4604..5062		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59037	Strand	-
Start	6884	End	7150
Name	OJ000250_60.0214.C12.o6.np	Method	AAT/NAP
Start	6884	End	7150
GI	82514	Score	465
Exons	6884..7150		
GI Descrip.	hypothetical 10.6K protein (ps12a-trnC intergenic region) - rice		

chloroplast gi|11967|emb|CAA33982| (X15901) ORF91 [Oryza sativa]
gi|226685|prf||1603356K ORF 91 [Oryza sativa]

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o3.tc	Method	TBLASTX:Cress
Start	561	End	908
GI	none	Score	505
Exons	561..908, 563..907, 573..908		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o7.tm	Method	TBLASTX:Maize
Start	561	End	907
GI	none	Score	267
Exons	561..905, 563..907		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o3.ts	Method	TBLASTX:Soybean
Start	561	End	908
GI	none	Score	486
Exons	561..908, 563..907, 576..908		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o7.tw	Method	TBLASTX:Wheat
Start	563	End	868
GI	none	Score	237
Exons	563..868, 573..851, 689..868		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o5.tw	Method	TBLASTX:Wheat
Start	887	End	1389
GI	none	Score	100
Exons	887..964, 912..980, 912..980, 913..981, 955..1026, 973..1014, 975..1064, 975..1025, 984..1058, 1000..1071, 1063..1188, 1065..1178, 1157..1351, 1175..1351, 1275..1361, 1321..1389		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o9.tm	Method	TBLASTX:Maize
Start	910	End	1162
GI	none	Score	120
Exons	910..1014, 912..1016, 913..1038, 918..1040, 996..1058, 996..1058, 997..1059, 1065..1160, 1067..1162, 1067..1162		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057

Name	OJ000250_60.0214.C12.o11.tm	Method	TBLASTX:Maize
Start	1164	End	1389
GI	none	Score	181
Exons	1164..1301, 1175..1300, 1175..1303, 1306..1377, 1309..1350, 1339..1389		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o6.tw	Method	TBLASTX:Wheat
Start	1391	End	1767
GI	none	Score	53
Exons	1391..1414, 1392..1427, 1399..1440, 1412..1444, 1416..1445, 1417..1446, 1437..1493, 1447..1494, 1451..1495, 1452..1496, 1483..1509, 1488..1523, 1494..1616, 1495..1623, 1496..1618, 1609..1653, 1612..1635, 1647..1763, 1651..1767, 1651..1767		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o2.ts	Method	TBLASTX:Soybean
Start	1645	End	2466
GI	none	Score	1355
Exons	1645..2466, 1659..2465		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o2.tc	Method	TBLASTX:Cress
Start	1707	End	2079
GI	none	Score	440
Exons	1707..2078, 1707..2078, 1708..2079		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o4.tm	Method	TBLASTX:Maize
Start	2014	End	2441
GI	none	Score	671
Exons	2014..2439, 2019..2441, 2020..2439		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o4.tc	Method	TBLASTX:Cress
Start	2162	End	2492
GI	none	Score	521
Exons	2162..2491, 2163..2492, 2167..2490		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o2.tw	Method	TBLASTX:Wheat
Start	2233	End	2676
GI	none	Score	43
Exons	2233..2268, 2254..2676, 2260..2676		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o1.ts	Method	TBLASTX:Soybean
Start	2674	End	4172
GI	none	Score	1099
Exons	2674..3615, 2674..3189, 3023..3190, 3036..3614, 3611..4135, 3612..4172, 3612..4154		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o1.tc	Method	TBLASTX:Cress
Start	2694	End	4209
GI	none	Score	889
Exons	2694..3530, 2694..2981, 2698..3189, 3040..3603, 3238..3615, 3245..3613, 3611..4138, 3612..4139, 3612..4139, 4180..4209		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o2.tm	Method	TBLASTX:Maize
Start	2735	End	3186
GI	none	Score	738
Exons	2735..2986, 2737..3186, 2738..3184		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o3.tw	Method	TBLASTX:Wheat
Start	2839	End	3237
GI	none	Score	562
Exons	2839..3180, 2840..3235, 3023..3184, 3036..3236, 3040..3237		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o1.tw	Method	TBLASTX:Wheat
Start	3237	End	3873
GI	none	Score	390
Exons	3237..3530, 3238..3615, 3245..3613, 3608..3628, 3611..3775, 3612..3776, 3612..3776, 3676..3780, 3682..3795, 3695..3796, 3739..3873, 3756..3872, 3775..3873		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	3238	End	3712
GI	none	Score	641
Exons	3238..3615, 3245..3613, 3611..3712, 3612..3710		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o3.tm	Method	TBLASTX:Maize
Start	3713	End	4175

GI	none	Score	668
Exons	3713..4132, 3713..4147, 3714..4148, 4143..4175, 4144..4173		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o4.tw	Method	TBLASTX:Wheat
Start	3874	End	4238
GI	none	Score	394
Exons	3874..4173, 3874..4173, 3876..4175, 4144..4227, 4166..4237, 4167..4238		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o5.tm	Method	TBLASTX:Maize
Start	4412	End	5042
GI	none	Score	77
Exons	4412..4501, 4412..4459, 4413..4460, 4472..4510, 4599..4697, 4613..4699, 4614..4697, 4618..4716, 4654..4968, 4664..4969, 4698..4970, 4700..4972, 4983..5027, 4988..5026, 5001..5042		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o5.tc	Method	TBLASTX:Cress
Start	4413	End	4942
GI	none	Score	45
Exons	4413..4451, 4492..4560, 4523..4555, 4621..4668, 4621..4650, 4713..4937, 4718..4942, 4718..4930, 4719..4931, 4726..4941		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o4.ts	Method	TBLASTX:Soybean
Start	4619	End	4942
GI	none	Score	44
Exons	4619..4666, 4710..4934, 4718..4942, 4718..4930		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o10.tm	Method	TBLASTX:Maize
Start	5440	End	5803
GI	none	Score	44
Exons	5440..5466, 5586..5663, 5590..5745, 5591..5749, 5744..5803		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o8.tm	Method	TBLASTX:Maize
Start	6276	End	6548
GI	none	Score	86
Exons	6276..6344, 6277..6366, 6326..6430, 6334..6471, 6334..6474, 6336..6515, 6463..6546, 6464..6547, 6465..6548		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12

Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o6.tm	Method	TBLASTX:Maize
Start	8501	End	8932
GI	none	Score	273
Exons	8501..8680, 8507..8680, 8683..8781, 8683..8772, 8685..8780, 8778..8849, 8781..8849, 8783..8869, 8839..8892, 8842..8907, 8868..8918, 8869..8916, 8894..8932		

Seq. No.	28582	Seq. ID	OJ000250_60.0214.C12
Gene No.	59038	Strand	-
Start	9674	End	10057
Name	OJ000250_60.0214.C12.o7.gp	Method	AAT/GAP
Start	9674	End	10057
GI	uC-osflcyp033a04b1	Score	653
Exons	9674..10057		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59039	Strand	+
Start	1	End	488
Name	OJ000250_60.0214.C15.o1.np	Method	AAT/NAP
Start	1	End	351
GI	122779	Score	543
Exons	1..351		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi|82542|pir||S05118 hypothetical protein 230 - rice chloroplast gi|11999|emb|CAA33960| (X15901) ORF230 [Oryza sativa] gi|226620|prf||1603356AT ORF 230 [Oryza sativa]		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59039	Strand	+
Start	1	End	488
Name	OJ000250_60.0214.C15.o1.gp	Method	AAT/GAP
Start	27	End	488
GI	5005167	Score	288
Exons	27..47, 337..488		
GI Descrip.	140281/sp|P09363|YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir__S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59040	Strand	-
Start	130	End	640
Name	OJ000250_60.0214.C15.o2.np	Method	AAT/NAP
Start	130	End	640
GI	140281	Score	319
Exons	130..229, 307..640		
GI Descrip.	HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) gi|81821|pir||S05717 hypothetical protein 143 - soybean chloroplast gi|11577|emb|CAA30522| (X07675) ORF 143 [Glycine max]		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230

Name	OJ000250_60.0214.C15.o2.tc	Method	TBLASTX:Cress
Start	1	End	297
GI	none	Score	213
Exons	1..213, 1..39, 3..212, 212..295, 217..297, 247..297		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o3.ts	Method	TBLASTX:Soybean
Start	1	End	331
GI	none	Score	211
Exons	1..219, 2..211, 3..212, 183..329, 212..331, 217..330, 224..331		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o1.tm	Method	TBLASTX:Maize
Start	311	End	1230
GI	none	Score	99
Exons	311..400, 334..840, 339..1229, 381..1229, 895..1230		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o1.ts	Method	TBLASTX:Soybean
Start	334	End	732
GI	none	Score	159
Exons	334..453, 343..453, 465..578, 465..578, 551..730, 577..732, 579..731		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o1.tw	Method	TBLASTX:Wheat
Start	600	End	1010
GI	none	Score	42
Exons	600..659, 651..1010, 666..1007		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o1.tc	Method	TBLASTX:Cress
Start	619	End	1217
GI	none	Score	740
Exons	619..1107, 620..1141, 621..1097, 621..1142, 1092..1208, 1096..1209, 1101..1217		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o3.np	Method	AAT/NAP
Start	741	End	1111
GI	133748	Score	342
Exons	741..1111		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 gi|70961|pir||R3RZ12 ribosomal protein S12 - rice chloroplast gi|1213603|emb|CAA33929| (X15901) ribosomal protein S12 [Oryza		

sativa] gi|226658|prf||1603356CJ ribosomal protein S12 [Oryza sativa]

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o1.gs	Method	GENSCAN
Start	755	End	1199
GI	none	Score	.74
Exons	755..1033, 1068..1199		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o2.gp	Method	AAT/GAP
Start	766	End	1230
GI	183_5.R1084	Score	897
Exons	766..1230		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	28583	Seq. ID	OJ000250_60.0214.C15
Gene No.	59041	Strand	-
Start	755	End	1230
Name	OJ000250_60.0214.C15.o2.ts	Method	TBLASTX:Soybean
Start	890	End	1207
GI	none	Score	308
Exons	890..1090, 891..1097, 895..1173, 1074..1196, 1106..1201, 1107..1196, 1111..1203, 1160..1207		

Seq. No.	28584	Seq. ID	OJ000250_60.0214.C16
Gene No.	59042	Strand	-
Start	1	End	986
Name	OJ000250_60.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	986
GI	128657	Score	1313
Exons	1..88, 210..986		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	28584	Seq. ID	OJ000250_60.0214.C16
Gene No.	59043	Strand	-
Start	1023	End	1318
Name	OJ000250_60.0214.C16.o2.ts	Method	TBLASTX:Soybean
Start	430	End	656
GI	none	Score	347
Exons	430..654, 430..654, 432..656		

Seq. No.	28584	Seq. ID	OJ000250_60.0214.C16
Gene No.	59043	Strand	-
Start	1023	End	1318
Name	OJ000250_60.0214.C16.o1.ts	Method	TBLASTX:Soybean
Start	657	End	1109
GI	none	Score	448
Exons	657..974, 658..975, 661..975, 962..1039, 962..1036, 979..1038, 992..1108, 994..1107, 1023..1109, 1023..1109		

Seq. No.	28584	Seq. ID	OJ000250_60.0214.C16
Gene No.	59043	Strand	-
Start	1023	End	1318
Name	OJ000250_60.0214.C16.o1.gp	Method	AAT/GAP
Start	1023	End	1318
GI	183_1.R1084	Score	547
Exons	1023..1318		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	28584	Seq. ID	OJ000250_60.0214.C16
Gene No.	59043	Strand	-
Start	1023	End	1318
Name	OJ000250_60.0214.C16.o1.tm	Method	TBLASTX:Maize
Start	1054	End	1316
GI	none	Score	132
Exons	1054..1131, 1055..1141, 1058..1315, 1059..1316, 1236..1316		

Seq. No.	28585	Seq. ID	OJ000250_60.0214.C17
Gene No.	59044	Strand	-
Start	2743	End	2887
Name	OJ000250_60.0214.C17.o1.gp	Method	AAT/GAP
Start	2743	End	2887
GI	427402	Score	133
Exons	2743..2887		
GI Descrip.	14277/emb|X57968|TSNADA 1.0e-105 Triticum aestivum mitochondrial nad1 gene, exon 1 (and joined CDS)		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59045	Strand	+
Start	861	End	990
Name	OJ000250_60.0214.C18.o1.np	Method	AAT/NAP
Start	861	End	990
GI	1334366	Score	155
Exons	861..990		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59046	Strand	+
Start	990	End	1058
Name	OJ000250_60.0214.C18.o2.np	Method	AAT/NAP
Start	990	End	1058
GI	82521	Score	112

Exons	990..1058
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|2130153|pir||S58624 hypothetical protein 23 - maize chloroplast gi|12043|emb|CAA33946| (X15901) ORF23 [Oryza sativa] gi|12059|emb|CAA33914| (X15901) ORF23 [Oryza sativa] gi|902278|emb|CAA60343| (X86563) ORF23 [Zea mays] gi|902293|emb|CAA60357| (X86563) ORF23 [Zea mays] gi|226662|prf||1603356CN ORF

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59047	Strand	+
Start	4248	End	4981
Name	OJ000250_60.0214.C18.o2.gs	Method	GENSCAN
Start	4248	End	4981
GI	none	Score	.59
Exons	4248..4269, 4372..4397, 4678..4788, 4868..4981		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	339
GI	none	Score	84
Exons	2..133, 3..62, 11..127, 42..323, 123..314, 124..339, 125..334		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o1.tw	Method	TBLASTX:Wheat
Start	109	End	328
GI	none	Score	355
Exons	109..327, 110..328		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o1.tc	Method	TBLASTX:Cress
Start	276	End	781
GI	none	Score	55
Exons	276..323, 276..314, 371..478, 375..452, 391..453, 435..629, 453..632, 454..630, 665..715, 666..716, 704..778, 725..781		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o1.gs	Method	GENSCAN
Start	626	End	3705
GI	none	Score	.6
Exons	626..801, 1679..1840, 2333..2488, 2515..3378, 3537..3705		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o4.np	Method	AAT/NAP
Start	664	End	3293
GI	3282505	Score	582
Exons	664..781, 2564..3293		

GI Descrip. (AF020786) polyphenol oxidase precursor [Prunus armeniaca]

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o2.ts	Method	TBLASTX:Soybean
Start	713	End	1036
GI	none	Score	78
Exons	713..763, 713..763, 715..765, 858..947, 860..949, 863..949, 864..950, 953..1036, 954..1034		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o2.tm	Method	TBLASTX:Maize
Start	742	End	1022
GI	none	Score	367
Exons	742..969, 742..951, 744..968, 947..1021, 948..1022, 950..1021		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o3.np	Method	AAT/NAP
Start	1157	End	1381
GI	82227	Score	219
Exons	1157..1381		
GI Descrip.	hypothetical protein 75 - common tobacco chloroplast gi|11786|emb|CAA26288| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi|11880|emb|CAA77393| (Z00044) hypothetical protein [Nicotiana tabacum] gi|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi|1223679|emb|CAA77400| (Z00044) hypothetical protein [Nicotiana tabacum] gi|225251|prf||1211235CK ORF 75 [Ni		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o1.ts	Method	TBLASTX:Soybean
Start	2567	End	2965
GI	none	Score	280
Exons	2567..2611, 2610..2960, 2624..2965		

Seq. No.	28586	Seq. ID	OJ000250_60.0214.C18
Gene No.	59048	Strand	-
Start	626	End	3705
Name	OJ000250_60.0214.C18.o3.tm	Method	TBLASTX:Maize
Start	2666	End	3118
GI	none	Score	107
Exons	2666..2728, 2711..2866, 2712..2867, 2726..2872, 2891..3061, 2910..3050, 3077..3118		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59049	Strand	+
Start	1	End	700
Name	OJ000250_60.0214.C19.o1.np	Method	AAT/NAP
Start	1	End	697
GI	3367521	Score	645

Exons	1..697		
GI Descrip.	(AC004392) Similar to gb|U08285 membrane-associated salt-inducible protein from Nicotiana tabacum. ESTs gb|T44131 and gb|T04378 come from this gene. [Arabidopsis thaliana]		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59049	Strand	+
Start	1	End	700
Name	OJ000250_60.0214.C19.o1.gs	Method	GENSCAN
Start	59	End	700
GI	none	Score	.77
Exons	59..700		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59050	Strand	+
Start	613	End	2756
Name	OJ000250_60.0214.C19.o1.gp	Method	AAT/GAP
Start	613	End	2756
GI	3761563	Score	718
Exons	613..724, 2460..2756		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59051	Strand	+
Start	3454	End	4253
Name	OJ000250_60.0214.C19.o2.gs	Method	GENSCAN
Start	3454	End	4253
GI	none	Score	.81
Exons	3454..3752, 3812..3985, 4082..4253		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59052	Strand	+
Start	15089	End	15535
Name	OJ000250_60.0214.C19.o2.gp	Method	AAT/GAP
Start	15089	End	15535
GI	34211_1.R1084	Score	853
Exons	15089..15535		
GI Descrip.	'4455225/emb|CAB36548.1| 2.0e-57 (AL035440) putative protein [Arabidopsis thaliana]'		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59053	Strand	-
Start	4708	End	11037
Name	OJ000250_60.0214.C19.o3.gs	Method	GENSCAN
Start	4708	End	8025
GI	none	Score	.59
Exons	4708..4888, 4961..5322, 7084..7905, 7957..8025		
Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59053	Strand	-
Start	4708	End	11037
Name	OJ000250_60.0214.C19.o2.np	Method	AAT/NAP
Start	7045	End	11037
GI	1172587	Score	1038
Exons	7045..7905, 10109..11037		
GI Descrip.	POLYPHENOL OXIDASE PRECURSOR (PPO) (CATECHOL OXIDASE) gi|1076272|pir||S52629 catechol oxidase (EC 1.10.3.1) precursor - grape gi|510234|emb|CAA81798| (Z27411) polyphenol oxidase		

[Vitis vinifera]

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o1.tm	Method	TBLASTX:Maize
Start	2	End	704
GI	none	Score	1064
Exons	2..703, 7..696, 363..704		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	724
GI	none	Score	694
Exons	2..721, 2..724		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o1.tc	Method	TBLASTX:Cress
Start	200	End	732
GI	none	Score	101
Exons	200..436, 349..423, 350..421, 404..709, 418..732		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o2.ts	Method	TBLASTX:Soybean
Start	7075	End	10508
GI	none	Score	71
Exons	7075..7191, 7085..7192, 7201..7308, 7228..7374, 7315..7437, 7324..7443, 7495..7659, 7510..7656, 7657..7773, 7669..7761, 7774..7923, 7805..7876, 10175..10507, 10245..10508		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o3.tm	Method	TBLASTX:Maize
Start	7524	End	10657
GI	none	Score	58
Exons	7524..7640, 7531..7590, 7567..7659, 7669..7755, 7669..7767, 7741..7845, 7781..7828, 10175..10201, 10220..10273, 10221..10247, 10253..10411, 10272..10427, 10442..10606, 10458..10577, 10490..10606, 10622..10657		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o5.gs	Method	GENSCAN
Start	12756	End	16055
GI	none	Score	.45
Exons	12756..13034, 14978..15008, 15431..15600, 15855..16055		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-

Start	12756	End	16073
Name	OJ000250_60.0214.C19.o2.tm	Method	TBLASTX:Maize
Start	15269	End	16058
GI	none	Score	189
Exons	15269..15292, 15385..15600, 15402..15599, 15422..15601, 15850..16041, 15852..16058, 15856..16056		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o3.ts	Method	TBLASTX:Soybean
Start	15367	End	16058
GI	none	Score	173
Exons	15367..15600, 15377..15601, 15387..15602, 15837..16055, 15852..16058, 15856..16056		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o2.tc	Method	TBLASTX:Cress
Start	15382	End	15601
GI	none	Score	85
Exons	15382..15600, 15386..15601, 15387..15596, 15436..15597		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o3.np	Method	AAT/NAP
Start	15388	End	16055
GI	4455225	Score	534
Exons	15388..15600, 15855..16055		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o3.tc	Method	TBLASTX:Cress
Start	15834	End	16058
GI	none	Score	87
Exons	15834..16016, 15852..16058, 15856..16053		

Seq. No.	28587	Seq. ID	OJ000250_60.0214.C19
Gene No.	59054	Strand	-
Start	12756	End	16073
Name	OJ000250_60.0214.C19.o3.gp	Method	AAT/GAP
Start	15862	End	16073
GI	3107375	Score	345
Exons	15862..16073		
GI Descrip.	4455225/emb|CAB36548.1| 2.0e-57 (AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.np	Method	AAT/NAP
Start	1	End	5173
GI	4455225	Score	1405

Exons	1..54, 315..408, 648..893, 1718..2083, 2170..2310, 4853..5173		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.tm	Method	TBLASTX:Maize
Start	306	End	4951
GI	none	Score	140
Exons	306..407, 316..408, 316..408, 636..896, 642..896, 1704..2087, 1716..2066, 1718..2083, 2162..2311, 2166..2312, 2167..2313, 2167..2316, 2875..3000, 2924..2974, 4843..4899, 4853..4951, 4854..4946		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.gp	Method	AAT/GAP
Start	310	End	756
GI	3107375	Score	363
Exons	310..408, 648..756		
GI Descrip.	4455225/emb|CAB36548.1| 2.0e-57 (AL035440) putative protein [Arabidopsis thaliana]		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.gs	Method	GENSCAN
Start	316	End	3147
GI	none	Score	.81
Exons	316..408, 648..893, 1288..1346, 1981..2083, 2170..2225, 3000..3147		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.tc	Method	TBLASTX:Cress
Start	316	End	2006
GI	none	Score	71
Exons	316..408, 316..408, 320..409, 636..836, 646..828, 651..836, 825..896, 831..896, 1695..2006, 1716..1994, 1724..2005		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o2.ts	Method	TBLASTX:Soybean
Start	636	End	866
GI	none	Score	181
Exons	636..836, 646..828, 646..843, 825..866		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o2.gp	Method	AAT/GAP
Start	1677	End	4988
GI	4715775	Score	1202
Exons	1677..2083, 2170..2310, 4853..4988		

GI Descrip.	4455225/emb|CAB36548.1| 6.0e-82 (AL035440) putative protein [Arabidopsis thaliana]		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o3.ts	Method	TBLASTX:Soybean
Start	1694	End	1909
GI	none	Score	223
Exons	1694..1909, 1695..1892, 1718..1894		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o1.ts	Method	TBLASTX:Soybean
Start	1910	End	4951
GI	none	Score	79
Exons	1910..2086, 1910..2083, 1911..2087, 2166..2312, 2167..2316, 2167..2316, 2929..2970, 4907..4951		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o2.tc	Method	TBLASTX:Cress
Start	2009	End	2301
GI	none	Score	71
Exons	2009..2083, 2010..2087, 2167..2298, 2167..2301		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o2.gs	Method	GENSCAN
Start	4583	End	5080
GI	none	Score	.79
Exons	4583..4633, 4853..5080		
Seq. No.	28588	Seq. ID	OJ000250_60.0214.C20
Gene No.	59055	Strand	-
Start	1	End	5234
Name	OJ000250_60.0214.C20.o3.gp	Method	AAT/GAP
Start	4998	End	5234
GI	4878326	Score	444
Exons	4998..5234		
Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59056	Strand	+
Start	810	End	1115
Name	OJ000250_60.0214.C21.o1.gs	Method	GENSCAN
Start	810	End	1115
GI	none	Score	.83
Exons	810..1115		
Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59057	Strand	+
Start	1829	End	2620
Name	OJ000250_60.0214.C21.o1.gp	Method	AAT/GAP
Start	1829	End	2620

GI	24403_1.R1084	Score	1532
Exons	1829..2620		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59058	Strand	-
Start	2130	End	2468
Name	OJ000250_60.0214.C21.o2.gs	Method	GENSCAN
Start	2130	End	2468
GI	none	Score	.62
Exons	2130..2468		

Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59059	Strand	-
Start	4752	End	5505
Name	OJ000250_60.0214.C21.o1.tm	Method	TBLASTX:Maize
Start	2131	End	2468
GI	none	Score	64
Exons	2131..2178, 2131..2178, 2133..2198, 2187..2255, 2191..2256, 2231..2293, 2264..2350, 2265..2339, 2265..2363, 2439..2468		

Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59059	Strand	-
Start	4752	End	5505
Name	OJ000250_60.0214.C21.o1.np	Method	AAT/NAP
Start	3829	End	5505
GI	6907086	Score	1284
Exons	3829..4208, 4435..4666, 4727..5505		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28589	Seq. ID	OJ000250_60.0214.C21
Gene No.	59059	Strand	-
Start	4752	End	5505
Name	OJ000250_60.0214.C21.o3.gs	Method	GENSCAN
Start	4752	End	5197
GI	none	Score	.98
Exons	4752..5197		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59060	Strand	+
Start	1	End	10802
Name	OJ000250_60.0214.C22.o3.np	Method	AAT/NAP
Start	1	End	10802
GI	5420387	Score	116
Exons	1..42, 3354..3647, 7629..7910, 10635..10802		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59060	Strand	+
Start	1	End	10802
Name	OJ000250_60.0214.C22.o1.gs	Method	GENSCAN
Start	830	End	1423
GI	none	Score	.84
Exons	830..884, 925..972, 1350..1423		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22

Gene No.	59061	Strand	-
Start	1	End	199
Name	OJ000250_60.0214.C22.o1.gp	Method	AAT/GAP
Start	1	End	88
GI	5667165	Score	168
Exons	1..88		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59061	Strand	-
Start	1	End	199
Name	OJ000250_60.0214.C22.o1.np	Method	AAT/NAP
Start	1	End	199
GI	6069659	Score	103
Exons	1..39, 85..199		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59062	Strand	-
Start	315	End	898
Name	OJ000250_60.0214.C22.o2.np	Method	AAT/NAP
Start	315	End	898
GI	6907088	Score	494
Exons	315..585, 761..898		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59063	Strand	-
Start	3349	End	3669
Name	OJ000250_60.0214.C22.o2.gs	Method	GENSCAN
Start	3349	End	3669
GI	none	Score	.53
Exons	3349..3669		

Seq. No.	28590	Seq. ID	OJ000250_60.0214.C22
Gene No.	59064	Strand	-
Start	7593	End	11118
Name	OJ000250_60.0214.C22.o3.gs	Method	GENSCAN
Start	7593	End	11118
GI	none	Score	.47
Exons	7593..8123, 8646..8871, 9290..9385, 10509..11118		

Seq. No.	28591	Seq. ID	OJ000250_60.0214.C23
Gene No.	59065	Strand	+
Start	1	End	1108
Name	OJ000250_60.0214.C23.o1.np	Method	AAT/NAP
Start	1	End	390
GI	6907106	Score	298
Exons	1..108, 182..390		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28591	Seq. ID	OJ000250_60.0214.C23
Gene No.	59065	Strand	+
Start	1	End	1108
Name	OJ000250_60.0214.C23.o1.tm	Method	TBLASTX:Maize

Start	1	End	293
GI	none	Score	166
Exons	1..144, 3..146, 3..140, 161..292, 229..291, 234..293		

Seq. No.	28591	Seq. ID	OJ000250_60.0214.C23
Gene No.	59065	Strand	+
Start	1	End	1108
Name	OJ000250_60.0214.C23.o1.gs	Method	GENSCAN
Start	106	End	1108
GI	none	Score	.48
Exons	106..166, 766..851, 1076..1108		

Seq. No.	28592	Seq. ID	OJ000250_60.0214.C24
Gene No.	59066	Strand	+
Start	2904	End	3375
Name	OJ000250_60.0214.C24.o1.np	Method	AAT/NAP
Start	2904	End	3375
GI	6598851	Score	224
Exons	2904..3375		
GI Descrip.	(AC010556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28592	Seq. ID	OJ000250_60.0214.C24
Gene No.	59066	Strand	+
Start	2904	End	3375
Name	OJ000250_60.0214.C24.o1.tm	Method	TBLASTX:Maize
Start	2905	End	3235
GI	none	Score	224
Exons	2905..3156, 2941..3036, 3194..3235		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59067	Strand	+
Start	44	End	6164
Name	OJ000250_60.0214.C25.o1.gs	Method	GENSCAN
Start	44	End	4737
GI	none	Score	.8
Exons	44..86, 481..613, 1174..1229, 1363..1421, 1517..1664, 1866..2149, 2212..2333, 2512..2653, 3460..4005, 4364..4512, 4668..4737		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59067	Strand	+
Start	44	End	6164
Name	OJ000250_60.0214.C25.o1.gp	Method	AAT/GAP
Start	2443	End	2815
GI	none	Score	746
Exons	2443..2815		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59067	Strand	+
Start	44	End	6164
Name	OJ000250_60.0214.C25.o1.np	Method	AAT/NAP
Start	2573	End	6164
GI	3249084	Score	269
Exons	2573..2661, 3507..4009, 6137..6164		
GI Descrip.	(AC004473) Similar to red-1 (related to thioredoxin) gene gb|X92750 from Mus musculus. ESTs gb|AA712687 and gb|Z37223 come from this gene [Arabidopsis thaliana]		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o1.ts	Method	TBLASTX:Soybean
Start	3520	End	3987
GI	none	Score	276
Exons	3520..3822, 3523..3654, 3525..3818, 3654..3770, 3655..3747, 3760..3915, 3841..3987, 3870..3923		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o1.tm	Method	TBLASTX:Maize
Start	3523	End	3795
GI	none	Score	423
Exons	3523..3795, 3537..3794		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o2.tw	Method	TBLASTX:Wheat
Start	5071	End	5400
GI	none	Score	87
Exons	5071..5175, 5081..5173, 5083..5232, 5183..5248, 5183..5248, 5259..5330, 5260..5328, 5356..5400, 5368..5400		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o3.tm	Method	TBLASTX:Maize
Start	5344	End	5667
GI	none	Score	44
Exons	5344..5466, 5346..5369, 5395..5538, 5435..5527, 5436..5528, 5443..5532, 5576..5665, 5577..5666, 5577..5666, 5578..5667		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o2.gs	Method	GENSCAN
Start	5538	End	6410
GI	none	Score	.75
Exons	5538..6410		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o2.np	Method	AAT/NAP
Start	5541	End	6418
GI	6630696	Score	1464
Exons	5541..6418		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-

Start	5538	End	6418
Name	OJ000250_60.0214.C25.o1.tw	Method	TBLASTX:Wheat
Start	5677	End	6152
GI	none	Score	399
Exons	5677..6063, 5679..6062, 6078..6152, 6079..6147		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o2.ts	Method	TBLASTX:Soybean
Start	5790	End	6164
GI	none	Score	58
Exons	5790..6014, 5884..6015, 6033..6158, 6033..6164		

Seq. No.	28593	Seq. ID	OJ000250_60.0214.C25
Gene No.	59068	Strand	-
Start	5538	End	6418
Name	OJ000250_60.0214.C25.o2.tm	Method	TBLASTX:Maize
Start	6008	End	6380
GI	none	Score	80
Exons	6008..6256, 6009..6380, 6010..6357		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o1.np	Method	AAT/NAP
Start	1	End	1290
GI	6630696	Score	2219
Exons	1..1290		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o2.tw	Method	TBLASTX:Wheat
Start	3	End	323
GI	none	Score	73
Exons	3..323, 142..306		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o1.ts	Method	TBLASTX:Soybean
Start	6	End	458
GI	5509260	Score	63
Exons	6..458, 108..275, 142..363		
GI Descrip.	-		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o1.tm	Method	TBLASTX:Maize
Start	12	End	324
GI	none	Score	58
Exons	12..323, 13..72, 108..188, 193..324		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o1.tc	Method	TBLASTX:Cress
Start	105	End	365
GI	none	Score	116
Exons	105..365, 193..363		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o1.tw	Method	TBLASTX:Wheat
Start	378	End	1125
GI	none	Score	114
Exons	378..560, 378..1118, 660..911, 661..1125, 718..1125		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o2.tc	Method	TBLASTX:Cress
Start	690	End	1166
GI	none	Score	118
Exons	690..755, 759..947, 966..1166		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o2.ts	Method	TBLASTX:Soybean
Start	783	End	1181
GI	none	Score	103
Exons	783..956, 960..1181, 964..1179		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o2.tm	Method	TBLASTX:Maize
Start	879	End	1197
GI	none	Score	67
Exons	879..950, 960..1196, 964..1107, 1138..1197		

Seq. No.	28594	Seq. ID	OJ000250_60.0214.C26
Gene No.	59069	Strand	-
Start	1	End	1290
Name	OJ000250_60.0214.C26.o3.tw	Method	TBLASTX:Wheat
Start	1126	End	1290
GI	none	Score	176
Exons	1126..1290, 1126..1275, 1128..1289		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59070	Strand	+
Start	2339	End	3200
Name	OJ000250_60.0214.C27.o2.np	Method	AAT/NAP
Start	2339	End	3200
GI	4056568	Score	338
Exons	2339..2925, 3127..3200		
GI Descrip.	(U90944) PDI-like protein [Zea mays]		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59071	Strand	+
Start	6423	End	7510
Name	OJ000250_60.0214.C27.o5.gs	Method	GENSCAN
Start	6423	End	7510
GI	none	Score	.77
Exons	6423..6554, 6627..6709, 6753..6804, 7129..7236, 7277..7510		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59072	Strand	-
Start	1	End	1078
Name	OJ000250_60.0214.C27.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	6630696	Score	1834
Exons	1..1078		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59072	Strand	-
Start	1	End	1078
Name	OJ000250_60.0214.C27.o1.gs	Method	GENSCAN
Start	72	End	1078
GI	none	Score	.86
Exons	72..220, 331..1078		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59072	Strand	-
Start	1	End	1078
Name	OJ000250_60.0214.C27.o1.gp	Method	AAT/GAP
Start	146	End	1036
GI	101595_1.R1084	Score	1435
Exons	146..220, 336..1036		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o4.tm	Method	TBLASTX:Maize
Start	2	End	244
GI	none	Score	170
Exons	2..220, 2..244, 6..221		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o3.tm	Method	TBLASTX:Maize
Start	728	End	1036
GI	none	Score	125
Exons	728..1036, 731..907, 793..936, 807..989		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429

Name	OJ000250_60.0214.C27.o2.tw	Method	TBLASTX:Wheat
Start	787	End	1184
GI	none	Score	157
Exons	787..969, 788..1072, 807..998, 1049..1183, 1086..1184		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o1.ts	Method	TBLASTX:Soybean
Start	2340	End	2942
GI	none	Score	214
Exons	2340..2651, 2346..2462, 2348..2437, 2472..2600, 2589..2939, 2606..2923, 2661..2741, 2814..2942		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o1.tm	Method	TBLASTX:Maize
Start	2367	End	2942
GI	none	Score	331
Exons	2367..2579, 2369..2578, 2567..2941, 2568..2942, 2811..2942		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o2.gp	Method	AAT/GAP
Start	3345	End	7429
GI	2709_2.R1084	Score	1432
Exons	3345..3679, 3757..3810, 3903..4114, 4424..4527, 7328..7429		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X 1.0e-53 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o2.tm	Method	TBLASTX:Maize
Start	3443	End	4488
GI	none	Score	43
Exons	3443..3487, 3457..3486, 3576..3608, 3577..3612, 3626..3679, 3636..3680, 3730..3813, 3757..3813, 3761..3841, 3900..4115, 3901..3948, 3902..4114, 3997..4116, 4421..4483, 4424..4483, 4425..4487, 4426..4488		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o3.gs	Method	GENSCAN
Start	3516	End	4460
GI	none	Score	.94
Exons	3516..3539, 3757..3810, 3903..4114, 4424..4460		

Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o2.ts	Method	TBLASTX:Soybean
Start	3593	End	4122
GI	none	Score	47

Exons	3593..3679, 3642..3680, 3745..3813, 3757..3813, 3900..4100, 3901..4122, 4044..4115		
Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o1.tc	Method	TBLASTX:Cress
Start	3617	End	4122
GI	none	Score	52
Exons	3617..3679, 3642..3680, 3757..3813, 3761..3829, 3900..4100, 3901..4122, 4044..4115		
Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o1.tw	Method	TBLASTX:Wheat
Start	3624	End	4466
GI	none	Score	56
Exons	3624..3680, 3629..3679, 3757..3813, 3761..3811, 3775..3819, 3900..4115, 3901..3948, 3923..4096, 3997..4116, 4425..4466		
Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o3.np	Method	AAT/NAP
Start	3638	End	4460
GI	462195	Score	453
Exons	3638..3679, 3757..3810, 3903..4114, 4424..4460		
GI Descrip.	PROTEIN TRANSLATION FACTOR SUI1 HOMOLOG (GOS2 PROTEIN) gi|100682|pir||S21636 GOS2 protein - rice gi|20238|emb|CAA36190| (X51910) GOS2 [Oryza sativa] gi|3789950 (AF094774) translation initiation factor [Oryza sativa]		
Seq. No.	28595	Seq. ID	OJ000250_60.0214.C27
Gene No.	59073	Strand	-
Start	3345	End	7429
Name	OJ000250_60.0214.C27.o4.np	Method	AAT/NAP
Start	6162	End	6905
GI	5295951	Score	185
Exons	6162..6362, 6390..6522, 6678..6905		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		
Seq. No.	28596	Seq. ID	OJ000250_60.0214.C29
Gene No.	59074	Strand	-
Start	1	End	604
Name	OJ000250_60.0214.C29.o1.np	Method	AAT/NAP
Start	1	End	604
GI	3249084	Score	177
Exons	1..96, 284..604		
GI Descrip.	(AC004473) Similar to red-1 (related to thioredoxin) gene gb|X92750 from Mus musculus. ESTs gb|AA712687 and gb|Z37223 come from this gene [Arabidopsis thaliana]		
Seq. No.	28596	Seq. ID	OJ000250_60.0214.C29
Gene No.	59074	Strand	-
Start	1	End	604

Name	OJ000250_60.0214.C29.o1.ts	Method	TBLASTX:Soybean
Start	263	End	604
GI	none	Score	81
Exons	263..595, 296..526, 362..532, 369..530, 378..572, 527..595, 542..604, 543..596		

Seq. No.	28596	Seq. ID	OJ000250_60.0214.C29
Gene No.	59074	Strand	-
Start	1	End	604
Name	OJ000250_60.0214.C29.o1.gs	Method	GENSCAN
Start	284	End	571
GI	none	Score	.99
Exons	284..571		

Seq. No.	28596	Seq. ID	OJ000250_60.0214.C29
Gene No.	59074	Strand	-
Start	1	End	604
Name	OJ000250_60.0214.C29.o1.tm	Method	TBLASTX:Maize
Start	296	End	604
GI	none	Score	67
Exons	296..409, 302..487, 374..532, 468..572, 476..604, 530..595, 542..604		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59075	Strand	+
Start	344	End	2840
Name	OJ000250_60.0214.C30.o2.np	Method	AAT/NAP
Start	344	End	2840
GI	6815115	Score	1323
Exons	344..372, 2020..2840		
GI Descrip.	(AB037543) ATP synthase beta subunit [Oryza sativa]		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59076	Strand	+
Start	2840	End	3250
Name	OJ000250_60.0214.C30.o3.np	Method	AAT/NAP
Start	2840	End	3250
GI	114601	Score	696
Exons	2840..3250		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi|67868|pir||PWRZE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi|11990|emb|CAA34002| (X15901) atpE; ATPase epsilon subunit [Oryza sativa] gi|343204 (M31464) atpE gene product [Oryza sativa] gi|226611|prf||1603356AH ATPase epsilon [Oryza sativa]		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59077	Strand	+
Start	4164	End	4464
Name	OJ000250_60.0214.C30.o1.gp	Method	AAT/GAP
Start	4164	End	4464
GI	3767033	Score	578
Exons	4164..4464		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 1.0e-53 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59078	Strand	+

Start	4917	End	6450
Name	OJ000250_60.0214.C30.o4.np	Method	AAT/NAP
Start	4917	End	6450
GI	400639	Score	1439
Exons	4917..6450		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 2 gi|66148|pir||DNETU2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - sugar beet mitochondrion gi|12822|emb|CAA34728| (X16828) NADH:ubiquinone reductase subunit 2 [Beta vulgaris]		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59079	Strand	+
Start	8528	End	9451
Name	OJ000250_60.0214.C30.o5.np	Method	AAT/NAP
Start	8528	End	9314
GI	132005	Score	1350
Exons	8528..9314		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE LARGE CHAIN PRECURSOR (RUBISCO LARGE SUBUNIT) gi|68145|pir||RKRZL ribulose-bisphosphate carboxylase (EC 4.1.1.39) large chain precursor - rice chloroplast gi|11992|emb|CAA34004| (X15901) rbcL; RuBisCO large subunit [Oryza sativa] gi|344017|dbj|BAA00147| (D00207) ribulose 1,5-bisphosphate carboxylase large subunit [Oryza sativa] gi|22		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59079	Strand	+
Start	8528	End	9451
Name	OJ000250_60.0214.C30.o2.gp	Method	AAT/GAP
Start	8659	End	9451
GI	14384_1.R1084	Score	1337
Exons	8659..9392, 9415..9451		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59080	Strand	-
Start	281	End	7063
Name	OJ000250_60.0214.C30.o1.np	Method	AAT/NAP
Start	281	End	3925
GI	128657	Score	1597
Exons	281..1033, 1746..1973, 3879..3925		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59080	Strand	-
Start	281	End	7063
Name	OJ000250_60.0214.C30.o2.gs	Method	GENSCAN
Start	3071	End	7063
GI	none	Score	.44
Exons	3071..3245, 3909..4059, 5001..5180, 5589..5670, 6204..6319, 7006..7063		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o2.tw	Method	TBLASTX:Wheat
Start	2	End	471
GI	none	Score	73
Exons	2..64, 4..63, 65..121, 65..121, 96..176, 101..178, 103..198, 112..174, 138..206, 139..180, 166..186, 191..241, 191..232, 192..284, 192..242, 231..470, 231..470, 238..471, 238..471		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o2.ts	Method	TBLASTX:Soybean
Start	267	End	6130
GI	none	Score	434
Exons	267..587, 277..675, 279..758, 280..753, 425..760, 638..760, 5918..6130		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o4.tw	Method	TBLASTX:Wheat
Start	1955	End	2312
GI	none	Score	354
Exons	1955..2011, 2031..2312, 2037..2306, 2042..2311		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o1.tc	Method	TBLASTX:Cress
Start	2019	End	3333
GI	none	Score	1254
Exons	2019..2807, 2020..2706, 2021..3028, 2021..3007, 2995..3078, 2999..3238, 3005..3166, 3009..3173, 3163..3333		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o1.ts	Method	TBLASTX:Soybean
Start	2019	End	3238
GI	none	Score	1260
Exons	2019..2807, 2021..3148, 2033..3238, 3163..3237		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o1.tm	Method	TBLASTX:Maize
Start	2031	End	2812
GI	none	Score	1011
Exons	2031..2807, 2031..2387, 2042..2812		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o3.tw	Method	TBLASTX:Wheat

Start	2400	End	2780
GI	none	Score	437
Exons	2400..2780, 2423..2779		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o3.tm	Method	TBLASTX:Maize
Start	2916	End	3300
GI	none	Score	72
Exons	2916..2963, 2916..2963, 2917..2985, 2953..3078, 2970..3299, 2970..3260, 3163..3300		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o4.tm	Method	TBLASTX:Maize
Start	8525	End	8865
GI	none	Score	267
Exons	8525..8860, 8529..8864, 8530..8865, 8544..8864		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o1.tw	Method	TBLASTX:Wheat
Start	8571	End	9365
GI	none	Score	929
Exons	8571..9365, 8572..9273, 8577..9323		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o3.tc	Method	TBLASTX:Cress
Start	8808	End	8955
GI	none	Score	156
Exons	8808..8930, 8809..8955, 8810..8944		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o2.tm	Method	TBLASTX:Maize
Start	8918	End	9287
GI	none	Score	310
Exons	8918..9277, 8927..9133, 8940..9287, 8943..9287		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o2.tc	Method	TBLASTX:Cress
Start	9038	End	9307
GI	none	Score	353
Exons	9038..9169, 9039..9305, 9039..9305, 9040..9306, 9206..9307		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o3.gp	Method	AAT/GAP

Start	9043	End	9626
GI	306_12.R1084	Score	249
Exons	9043..9067, 9490..9626		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o4.tc	Method	TBLASTX:Cress
Start	9479	End	9626
GI	none	Score	76
Exons	9479..9538, 9489..9626, 9493..9624, 9587..9625		

Seq. No.	28597	Seq. ID	OJ000250_60.0214.C30
Gene No.	59081	Strand	-
Start	9043	End	9626
Name	OJ000250_60.0214.C30.o5.tm	Method	TBLASTX:Maize
Start	9479	End	9609
GI	none	Score	87
Exons	9479..9541, 9489..9608, 9492..9608, 9493..9609, 9493..9609		

Seq. No.	28598	Seq. ID	OJ000250_60.0214.C32
Gene No.	59082	Strand	+
Start	50	End	461
Name	OJ000250_60.0214.C32.o1.gs	Method	GENSCAN
Start	50	End	461
GI	none	Score	.43
Exons	50..290, 335..461		

Seq. No.	28599	Seq. ID	OJ000250_62.0214.C2
Gene No.	59083	Strand	-
Start	762	End	1072
Name	OJ000250_62.0214.C2.o1.gs	Method	GENSCAN
Start	762	End	1072
GI	none	Score	.63
Exons	762..899, 905..1072		

Seq. No.	28600	Seq. ID	OJ000250_62.0214.C3
Gene No.	59084	Strand	-
Start	305	End	503
Name	OJ000250_62.0214.C3.o1.gs	Method	GENSCAN
Start	305	End	503
GI	none	Score	.83
Exons	305..503		

Seq. No.	28601	Seq. ID	OJ000250_62.0214.C4
Gene No.	59085	Strand	-
Start	1	End	516
Name	OJ000250_62.0214.C4.o1.np	Method	AAT/NAP
Start	1	End	516
GI	729704	Score	89
Exons	1..61, 89..165, 388..516		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	28602	Seq. ID	OJ000250_62.0214.C5
Gene No.	59086	Strand	-
Start	161	End	379
Name	OJ000250_62.0214.C5.o1.np	Method	AAT/NAP
Start	161	End	379
GI	137997	Score	290
Exons	161..379		
GI Descrip.	GENE 30 PROTEIN gi|540743|pir||S04829 gene 30 protein - phage phi-80 gi|14805|emb|CAA31472| (X13065) gene 30 (AA 1 - 73) [Bacteriophage phi-80]		

Seq. No.	28602	Seq. ID	OJ000250_62.0214.C5
Gene No.	59086	Strand	-
Start	161	End	379
Name	OJ000250_62.0214.C5.o1.gs	Method	GENSCAN
Start	175	End	226
GI	none	Score	.61
Exons	175..226		

Seq. No.	28603	Seq. ID	OJ000250_62.0214.C6
Gene No.	59087	Strand	+
Start	1	End	643
Name	OJ000250_62.0214.C6.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4680179	Score	494
Exons	1..643		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28603	Seq. ID	OJ000250_62.0214.C6
Gene No.	59087	Strand	+
Start	1	End	643
Name	OJ000250_62.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	189	End	539
GI	none	Score	271
Exons	189..539, 206..283, 305..526		

Seq. No.	28603	Seq. ID	OJ000250_62.0214.C6
Gene No.	59087	Strand	+
Start	1	End	643
Name	OJ000250_62.0214.C6.o1.gs	Method	GENSCAN
Start	227	End	557
GI	none	Score	.91
Exons	227..355, 380..557		

Seq. No.	28604	Seq. ID	OJ000250_62.0214.C7
Gene No.	59088	Strand	+
Start	105	End	191
Name	OJ000250_62.0214.C7.o1.gs	Method	GENSCAN
Start	105	End	191
GI	none	Score	.82
Exons	105..191		

Seq. No.	28605	Seq. ID	OJ000250_62.0214.C8
Gene No.	59089	Strand	-
Start	1	End	924
Name	OJ000250_62.0214.C8.o1.np	Method	AAT/NAP

Start	1	End	924
GI	6907086	Score	989
Exons	1..287, 345..924		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28605	Seq. ID	OJ000250_62.0214.C8
Gene No.	59089	Strand	-
Start	1	End	924
Name	OJ000250_62.0214.C8.o1.gs	Method	GENSCAN
Start	484	End	860
GI	none	Score	.89
Exons	484..860		

Seq. No.	28606	Seq. ID	OJ000250_62.0214.C9
Gene No.	59090	Strand	+
Start	1	End	677
Name	OJ000250_62.0214.C9.o1.np	Method	AAT/NAP
Start	1	End	677
GI	4680179	Score	732
Exons	1..677		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28606	Seq. ID	OJ000250_62.0214.C9
Gene No.	59090	Strand	+
Start	1	End	677
Name	OJ000250_62.0214.C9.o1.gs	Method	GENSCAN
Start	19	End	672
GI	none	Score	.56
Exons	19..83, 126..254, 279..672		

Seq. No.	28606	Seq. ID	OJ000250_62.0214.C9
Gene No.	59090	Strand	+
Start	1	End	677
Name	OJ000250_62.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	70	End	267
GI	none	Score	193
Exons	70..267, 87..266, 94..267		

Seq. No.	28606	Seq. ID	OJ000250_62.0214.C9
Gene No.	59090	Strand	+
Start	1	End	677
Name	OJ000250_62.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	316	End	645
GI	none	Score	287
Exons	316..513, 319..645		

Seq. No.	28606	Seq. ID	OJ000250_62.0214.C9
Gene No.	59090	Strand	+
Start	1	End	677
Name	OJ000250_62.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	319	End	624
GI	none	Score	238
Exons	319..624, 345..425		

Seq. No.	28607	Seq. ID	OJ000250_62.0214.C11
Gene No.	59091	Strand	+
Start	1	End	821

Name	OJ000250_62.0214.C11.o1.np	Method	AAT/NAP
Start	1	End	821
GI	6907087	Score	553
Exons	1..232, 441..821		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28608	Seq. ID	OJ000250_62.0214.C14
Gene No.	59092	Strand	+
Start	1	End	1032
Name	OJ000250_62.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	1032
GI	4680186	Score	161
Exons	1..91, 827..1032		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28608	Seq. ID	OJ000250_62.0214.C14
Gene No.	59092	Strand	+
Start	1	End	1032
Name	OJ000250_62.0214.C14.o1.gs	Method	GENSCAN
Start	674	End	886
GI	none	Score	.57
Exons	674..731, 881..886		

Seq. No.	28609	Seq. ID	OJ000250_62.0214.C15
Gene No.	59093	Strand	+
Start	2764	End	2968
Name	OJ000250_62.0214.C15.o1.np	Method	AAT/NAP
Start	2764	End	2968
GI	4680186	Score	209
Exons	2764..2968		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28609	Seq. ID	OJ000250_62.0214.C15
Gene No.	59094	Strand	+
Start	3691	End	3957
Name	OJ000250_62.0214.C15.o2.gs	Method	GENSCAN
Start	3691	End	3957
GI	none	Score	.87
Exons	3691..3733, 3742..3957		

Seq. No.	28609	Seq. ID	OJ000250_62.0214.C15
Gene No.	59095	Strand	-
Start	2512	End	2897
Name	OJ000250_62.0214.C15.o1.gp	Method	AAT/GAP
Start	2512	End	2897
GI	uC-osflcyp033a04b1	Score	637
Exons	2512..2897		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28609	Seq. ID	OJ000250_62.0214.C15
Gene No.	59096	Strand	-
Start	3360	End	4007
Name	OJ000250_62.0214.C15.o2.np	Method	AAT/NAP
Start	3360	End	4007

GI	6907087	Score	136
Exons	3360..3461, 3945..4007		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28610	Seq. ID	OJ000250_62.0214.C16
Gene No.	59097	Strand	+
Start	68	End	4266
Name	OJ000250_62.0214.C16.o1.gs	Method	GENSCAN
Start	68	End	4266
GI	none	Score	.62
Exons	68..210, 2443..2458, 2628..3598, 3627..4002, 4111..4266		

Seq. No.	28610	Seq. ID	OJ000250_62.0214.C16
Gene No.	59097	Strand	+
Start	68	End	4266
Name	OJ000250_62.0214.C16.o2.gp	Method	AAT/GAP
Start	988	End	1372
GI	uC-osflcyp033a04b1	Score	620
Exons	988..1372		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28610	Seq. ID	OJ000250_62.0214.C16
Gene No.	59098	Strand	-
Start	1	End	4723
Name	OJ000250_62.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	4723
GI	5852180	Score	214
Exons	1..62, 115..232, 1221..1268, 4639..4723		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59099	Strand	-
Start	1	End	5160
Name	OJ000250_62.0214.C17.o1.np	Method	AAT/NAP
Start	1	End	4690
GI	4680179	Score	3582
Exons	1..30, 1004..3084, 3112..4101, 4645..4690		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59099	Strand	-
Start	1	End	5160
Name	OJ000250_62.0214.C17.o2.np	Method	AAT/NAP
Start	4372	End	5160
GI	4512231	Score	1253
Exons	4372..5160		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o7.tw	Method	TBLASTX:Wheat
Start	1003	End	1233
GI	none	Score	192

Exons	1003..1233		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	1261	End	1614
GI	none	Score	195
Exons	1261..1614, 1268..1609		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o1.tw	Method	TBLASTX:Wheat
Start	1261	End	1686
GI	none	Score	194
Exons	1261..1611, 1261..1686, 1268..1684		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o2.ts	Method	TBLASTX:Soybean
Start	1432	End	1677
GI	none	Score	204
Exons	1432..1677		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o3.tm	Method	TBLASTX:Maize
Start	1621	End	1953
GI	none	Score	144
Exons	1621..1953, 1622..1900		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o3.tw	Method	TBLASTX:Wheat
Start	1687	End	1950
GI	none	Score	250
Exons	1687..1950, 1688..1948		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o1.ts	Method	TBLASTX:Soybean
Start	1702	End	2097
GI	none	Score	189
Exons	1702..1953, 1712..1945, 2008..2061, 2018..2059, 2065..2097, 2065..2097		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o2.tm	Method	TBLASTX:Maize
Start	2008	End	2455
GI	none	Score	64

Exons	2008..2451, 2213..2455		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o2.tw	Method	TBLASTX:Wheat
Start	2038	End	2521
GI	none	Score	229
Exons	2038..2520, 2041..2517, 2081..2521		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o3.ts	Method	TBLASTX:Soybean
Start	2179	End	2484
GI	none	Score	190
Exons	2179..2484		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o5.tw	Method	TBLASTX:Wheat
Start	2653	End	3006
GI	none	Score	256
Exons	2653..3006		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o4.tw	Method	TBLASTX:Wheat
Start	3340	End	3691
GI	none	Score	49
Exons	3340..3690, 3474..3542, 3518..3691		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o4.tm	Method	TBLASTX:Maize
Start	3385	End	3690
GI	none	Score	44
Exons	3385..3690, 3534..3611, 3584..3664		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o6.tw	Method	TBLASTX:Wheat
Start	3742	End	3940
GI	none	Score	136
Exons	3742..3939, 3743..3940		
Seq. No.	28611	Seq. ID	OJ000250_62.0214.C17
Gene No.	59100	Strand	-
Start	6337	End	8186
Name	OJ000250_62.0214.C17.o3.np	Method	AAT/NAP
Start	6337	End	8186
GI	6063554	Score	194
Exons	6337..6509, 7563..7626, 7725..7913, 8038..8186		

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	28612	Seq. ID	OJ000250_62.0214.C18
Gene No.	59101	Strand	+
Start	569	End	841
Name	OJ000250_62.0214.C18.o1.gs	Method	GENSCAN
Start	569	End	841
GI	none	Score	.99
Exons	569..841		

Seq. No.	28612	Seq. ID	OJ000250_62.0214.C18
Gene No.	59102	Strand	+
Start	6722	End	9808
Name	OJ000250_62.0214.C18.o2.np	Method	AAT/NAP
Start	6722	End	9808
GI	1628482	Score	230
Exons	6722..7103, 9735..9808		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	28612	Seq. ID	OJ000250_62.0214.C18
Gene No.	59103	Strand	-
Start	1	End	9808
Name	OJ000250_62.0214.C18.o1.np	Method	AAT/NAP
Start	1	End	9808
GI	5852180	Score	583
Exons	1..55, 2735..2896, 3598..3652, 3817..4173, 4225..4342, 5421..5473, 7533..7600, 9702..9808		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28612	Seq. ID	OJ000250_62.0214.C18
Gene No.	59103	Strand	-
Start	1	End	9808
Name	OJ000250_62.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	6742	End	7075
GI	none	Score	82
Exons	6742..6813, 6758..6820, 6827..7075, 6898..6939, 6991..7047		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59104	Strand	+
Start	5322	End	13414
Name	OJ000250_62.0214.C19.o2.np	Method	AAT/NAP
Start	5174	End	13414
GI	4680186	Score	161
Exons	5174..5223, 9282..9459, 12593..12687, 13218..13414		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59104	Strand	+
Start	5322	End	13414
Name	OJ000250_62.0214.C19.o2.gs	Method	GENSCAN
Start	5322	End	6192
GI	none	Score	.81
Exons	5322..5473, 5665..5910, 6057..6192		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19

Gene No.	59104	Strand	+
Start	5322	End	13414
Name	OJ000250_62.0214.C19.o3.gs	Method	GENSCAN
Start	9226	End	10601
GI	none	Score	.75
Exons	9226..9894, 10416..10601		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59104	Strand	+
Start	5322	End	13414
Name	OJ000250_62.0214.C19.o1.np	Method	AAT/NAP
Start	9486	End	13414
GI	1628482	Score	204
Exons	9486..9878, 13317..13414		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59104	Strand	+
Start	5322	End	13414
Name	OJ000250_62.0214.C19.o4.gs	Method	GENSCAN
Start	11364	End	12165
GI	none	Score	.42
Exons	11364..11667, 11819..12165		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59105	Strand	-
Start	12376	End	13323
Name	OJ000250_62.0214.C19.o1.tm	Method	TBLASTX:Maize
Start	5313	End	9798
GI	none	Score	126
Exons	5313..5417, 5330..5413, 5427..5477, 5663..5818, 9475..9582, 9598..9798		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59105	Strand	-
Start	12376	End	13323
Name	OJ000250_62.0214.C19.o1.gp	Method	AAT/GAP
Start	12376	End	12880
GI	38782_1.R1084	Score	848
Exons	12376..12880		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	28613	Seq. ID	OJ000250_62.0214.C19
Gene No.	59105	Strand	-
Start	12376	End	13323
Name	OJ000250_62.0214.C19.o5.gs	Method	GENSCAN
Start	12672	End	13323
GI	none	Score	.81
Exons	12672..12745, 13269..13323		

Seq. No.	28614	Seq. ID	OJ000250_62.0214.C20
Gene No.	59106	Strand	+
Start	1	End	938
Name	OJ000250_62.0214.C20.o2.np	Method	AAT/NAP
Start	1	End	938
GI	6069659	Score	119

Exons	1..28, 754..858, 904..938		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	28614	Seq. ID	OJ000250_62.0214.C20
Gene No.	59106	Strand	+
Start	1	End	938
Name	OJ000250_62.0214.C20.o1.np	Method	AAT/NAP
Start	44	End	631
GI	6907088	Score	512
Exons	44..181, 357..631		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	28614	Seq. ID	OJ000250_62.0214.C20
Gene No.	59107	Strand	+
Start	855	End	938
Name	OJ000250_62.0214.C20.o1.gp	Method	AAT/GAP
Start	855	End	938
GI	5667165	Score	160
Exons	855..938		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	28615	Seq. ID	OJ000250_62.0214.C21
Gene No.	59108	Strand	+
Start	110	End	564
Name	OJ000250_62.0214.C21.o1.gs	Method	GENSCAN
Start	110	End	564
GI	none	Score	.6
Exons	110..564		
Seq. No.	28615	Seq. ID	OJ000250_62.0214.C21
Gene No.	59109	Strand	-
Start	803	End	806
Name	OJ000250_62.0214.C21.o2.gs	Method	GENSCAN
Start	803	End	806
GI	none	Score	.53
Exons	803..806		
Seq. No.	28616	Seq. ID	OJ000250_62.0214.C23
Gene No.	59110	Strand	+
Start	524	End	696
Name	OJ000250_62.0214.C23.o2.np	Method	AAT/NAP
Start	524	End	696
GI	6063554	Score	105
Exons	524..696		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	28616	Seq. ID	OJ000250_62.0214.C23
Gene No.	59111	Strand	-
Start	1	End	277
Name	OJ000250_62.0214.C23.o1.np	Method	AAT/NAP
Start	1	End	277
GI	4680179	Score	273
Exons	1..277		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28616	Seq. ID	OJ000250_62.0214.C23
Gene No.	59111	Strand	-
Start	1	End	277
Name	OJ000250_62.0214.C23.o1.gs	Method	GENSCAN
Start	13	End	262
GI	none	Score	.58
Exons	13..262		

Seq. No.	28617	Seq. ID	OJ000250_62.0214.C24
Gene No.	59112	Strand	+
Start	60	End	166
Name	OJ000250_62.0214.C24.o1.gs	Method	GENSCAN
Start	60	End	166
GI	none	Score	.85
Exons	60..166		

Seq. No.	28617	Seq. ID	OJ000250_62.0214.C24
Gene No.	59113	Strand	-
Start	59	End	291
Name	OJ000250_62.0214.C24.o1.np	Method	AAT/NAP
Start	59	End	291
GI	6907087	Score	128
Exons	59..291		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28618	Seq. ID	OJ000250_62.0214.C25
Gene No.	59114	Strand	-
Start	1	End	540
Name	OJ000250_62.0214.C25.o1.np	Method	AAT/NAP
Start	1	End	540
GI	4680179	Score	388
Exons	1..540		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28618	Seq. ID	OJ000250_62.0214.C25
Gene No.	59114	Strand	-
Start	1	End	540
Name	OJ000250_62.0214.C25.o1.tw	Method	TBLASTX:Wheat
Start	27	End	346
GI	none	Score	77
Exons	27..119, 29..157, 32..121, 206..346, 219..287		

Seq. No.	28618	Seq. ID	OJ000250_62.0214.C25
Gene No.	59114	Strand	-
Start	1	End	540
Name	OJ000250_62.0214.C25.o1.gs	Method	GENSCAN
Start	29	End	451
GI	none	Score	.46
Exons	29..451		

Seq. No.	28619	Seq. ID	OJ000250_62.0214.C30
Gene No.	59115	Strand	-
Start	81	End	253
Name	OJ000250_62.0214.C30.o1.gs	Method	GENSCAN

Start	81	End	253
GI	none	Score	.51
Exons	81..253		

Seq. No.	28620	Seq. ID	OJ000250_62.0214.C31
Gene No.	59116	Strand	+
Start	62	End	312
Name	OJ000250_62.0214.C31.o1.gs	Method	GENSCAN
Start	62	End	312
GI	none	Score	.45
Exons	62..312		

Seq. No.	28621	Seq. ID	OJ000250_62.0214.C33
Gene No.	59117	Strand	+
Start	1	End	183
Name	OJ000250_62.0214.C33.o1.np	Method	AAT/NAP
Start	1	End	183
GI	5852180	Score	188
Exons	1..183		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28621	Seq. ID	OJ000250_62.0214.C33
Gene No.	59118	Strand	+
Start	502	End	508
Name	OJ000250_62.0214.C33.o1.gs	Method	GENSCAN
Start	502	End	508
GI	none	Score	.5
Exons	502..508		

Seq. No.	28622	Seq. ID	OJ000250_62.0214.C35
Gene No.	59119	Strand	+
Start	99	End	114
Name	OJ000250_62.0214.C35.o1.gs	Method	GENSCAN
Start	99	End	114
GI	none	Score	.68
Exons	99..114		

Seq. No.	28623	Seq. ID	OJ000250_62.0214.C37
Gene No.	59120	Strand	+
Start	1	End	1543
Name	OJ000250_62.0214.C37.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	3047086	Score	85
Exons	1..58, 1338..1543		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	28623	Seq. ID	OJ000250_62.0214.C37
Gene No.	59120	Strand	+
Start	1	End	1543
Name	OJ000250_62.0214.C37.o1.tm	Method	TBLASTX:Maize
Start	1350	End	1511
GI	none	Score	181
Exons	1350..1511, 1358..1510		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59121	Strand	+

Start	520	End	3034
Name	OJ000250_62.0214.C38.o1.gs	Method	GENSCAN
Start	520	End	3034
GI	none	Score	.73
Exons	520..581, 2506..2709, 2969..3034		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59122	Strand	+
Start	5808	End	6567
Name	OJ000250_62.0214.C38.o2.gs	Method	GENSCAN
Start	5808	End	6567
GI	none	Score	.7
Exons	5808..6026, 6121..6567		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59122	Strand	+
Start	5808	End	6567
Name	OJ000250_62.0214.C38.o2.np	Method	AAT/NAP
Start	5895	End	6504
GI	1628482	Score	245
Exons	5895..6086, 6128..6504		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59123	Strand	+
Start	15082	End	15162
Name	OJ000250_62.0214.C38.o1.gp	Method	AAT/GAP
Start	15082	End	15162
GI	61605_1.R1084	Score	116
Exons	15082..15162		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59124	Strand	+
Start	16294	End	16567
Name	OJ000250_62.0214.C38.o2.gp	Method	AAT/GAP
Start	16294	End	16567
GI	61605_1.R1084	Score	462
Exons	16294..16567		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59125	Strand	+
Start	16605	End	20655
Name	OJ000250_62.0214.C38.o6.np	Method	AAT/NAP
Start	16605	End	20655
GI	4680183	Score	128
Exons	16605..16630, 20525..20655		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o1.tm	Method	TBLASTX:Maize
Start	110	End	966

GI	none	Score	210
Exons	110..418, 124..417, 447..854, 453..743, 859..966, 862..939		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o1.tw	Method	TBLASTX:Wheat
Start	446	End	824
GI	none	Score	105
Exons	446..574, 447..578, 593..751, 594..755, 789..824		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o2.tm	Method	TBLASTX:Maize
Start	1066	End	1397
GI	none	Score	167
Exons	1066..1197, 1071..1238, 1075..1281, 1274..1396, 1293..1397		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o3.gs	Method	GENSCAN
Start	7733	End	14679
GI	none	Score	.53
Exons	7733..7999, 9070..9234, 10135..10278, 10416..10589, 10732..10946, 11649..11823, 12067..12114, 12448..12624, 12736..12839, 13132..13230, 14043..14260, 14321..14679		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o3.tm	Method	TBLASTX:Maize
Start	10738	End	10885
GI	none	Score	133
Exons	10738..10884, 10739..10885		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o3.np	Method	AAT/NAP
Start	14397	End	20964
GI	5852180	Score	375
Exons	14397..14765, 15932..16082, 20866..20964		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o4.gs	Method	GENSCAN
Start	17271	End	20665
GI	none	Score	.81
Exons	17271..18124, 18233..18498, 18963..19138, 19309..19510, 20316..20411, 20601..20665		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-

Start	7733	End	20964
Name	OJ000250_62.0214.C38.o5.np	Method	AAT/NAP
Start	18472	End	20533
GI	6721561	Score	135
Exons	18472..18515, 20443..20533		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28624	Seq. ID	OJ000250_62.0214.C38
Gene No.	59126	Strand	-
Start	7733	End	20964
Name	OJ000250_62.0214.C38.o3.gp	Method	AAT/GAP
Start	19830	End	19935
GI	uC-osflcyp088b12b1	Score	135
Exons	19830..19935		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28625	Seq. ID	OJ000250_62.0214.C39
Gene No.	59127	Strand	+
Start	1	End	201
Name	OJ000250_62.0214.C39.o1.np	Method	AAT/NAP
Start	1	End	201
GI	4680183	Score	133
Exons	1..201		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	28625	Seq. ID	OJ000250_62.0214.C39
Gene No.	59128	Strand	-
Start	960	End	1121
Name	OJ000250_62.0214.C39.o1.gs	Method	GENSCAN
Start	960	End	1121
GI	none	Score	.81
Exons	960..1121		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59129	Strand	-
Start	353	End	5847
Name	OJ000250_62.0214.C40.o1.np	Method	AAT/NAP
Start	353	End	5377
GI	4680179	Score	5633
Exons	353..3733, 3761..4777, 5332..5377		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59129	Strand	-
Start	353	End	5847
Name	OJ000250_62.0214.C40.o2.np	Method	AAT/NAP
Start	5050	End	5847
GI	4512231	Score	1286
Exons	5050..5847		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40

Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o6.tw	Method	TBLASTX:Wheat
Start	398	End	731
GI	none	Score	86
Exons	398..730, 419..580, 450..731		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o1.tm	Method	TBLASTX:Maize
Start	593	End	1178
GI	none	Score	98
Exons	593..1018, 594..791, 608..898, 855..1019, 1016..1177, 1023..1178		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o1.tw	Method	TBLASTX:Wheat
Start	731	End	1357
GI	none	Score	264
Exons	731..1357, 852..1298		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o3.tm	Method	TBLASTX:Maize
Start	1226	End	1518
GI	none	Score	181
Exons	1226..1516, 1230..1409, 1230..1517, 1231..1518		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o2.ts	Method	TBLASTX:Soybean
Start	1316	End	1576
GI	none	Score	72
Exons	1316..1576, 1317..1400, 1325..1564		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o1.tc	Method	TBLASTX:Cress
Start	1340	End	1666
GI	none	Score	90
Exons	1340..1483, 1484..1666		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o3.tw	Method	TBLASTX:Wheat
Start	1364	End	1903
GI	none	Score	193
Exons	1364..1645, 1364..1903, 1368..1733		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-

Start	7017	End	9337
Name	OJ000250_62.0214.C40.o2.tm	Method	TBLASTX:Maize
Start	1931	End	2284
GI	none	Score	212
Exons	1931..2284, 1938..2279		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o2.tw	Method	TBLASTX:Wheat
Start	1931	End	2357
GI	none	Score	217
Exons	1931..2281, 1931..2356, 1938..2357		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o3.ts	Method	TBLASTX:Soybean
Start	2102	End	2350
GI	none	Score	208
Exons	2102..2350		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o5.tm	Method	TBLASTX:Maize
Start	2291	End	2623
GI	none	Score	148
Exons	2291..2623, 2292..2570		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o5.tw	Method	TBLASTX:Wheat
Start	2358	End	2659
GI	none	Score	243
Exons	2358..2618, 2360..2620, 2366..2659		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o1.ts	Method	TBLASTX:Soybean
Start	2372	End	2768
GI	none	Score	65
Exons	2372..2623, 2375..2524, 2382..2615, 2568..2714, 2588..2632, 2678..2731, 2688..2729, 2735..2767, 2735..2767, 2736..2768		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o4.tm	Method	TBLASTX:Maize
Start	2678	End	3125
GI	none	Score	126
Exons	2678..3121, 2688..3125		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-

Start	7017	End	9337
Name	OJ000250_62.0214.C40.o4.tw	Method	TBLASTX:Wheat
Start	2708	End	3191
GI	none	Score	208
Exons	2708..3190, 2711..3130, 2751..3191		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o4.ts	Method	TBLASTX:Soybean
Start	2840	End	3154
GI	none	Score	198
Exons	2840..3154		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o7.tm	Method	TBLASTX:Maize
Start	3126	End	3319
GI	none	Score	141
Exons	3126..3272, 3128..3319		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o8.tw	Method	TBLASTX:Wheat
Start	3323	End	3676
GI	none	Score	256
Exons	3323..3676		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o7.tw	Method	TBLASTX:Wheat
Start	4010	End	4363
GI	none	Score	64
Exons	4010..4360, 4166..4363		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o6.tm	Method	TBLASTX:Maize
Start	4022	End	4360
GI	none	Score	240
Exons	4022..4360		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o9.tw	Method	TBLASTX:Wheat
Start	4412	End	4610
GI	none	Score	67
Exons	4412..4606, 4412..4609, 4413..4610		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337

Name	OJ000250_62.0214.C40.o3.np	Method	AAT/NAP
Start	7017	End	9337
GI	6063554	Score	153
Exons	7017..7189, 8347..8589, 9277..9337		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28626	Seq. ID	OJ000250_62.0214.C40
Gene No.	59130	Strand	-
Start	7017	End	9337
Name	OJ000250_62.0214.C40.o2.gs	Method	GENSCAN
Start	8094	End	8738
GI	none	Score	.86
Exons	8094..8738		

Seq. No.	28627	Seq. ID	OJ000250_62.0214.C41
Gene No.	59131	Strand	+
Start	818	End	1328
Name	OJ000250_62.0214.C41.o1.gs	Method	GENSCAN
Start	818	End	1328
GI	none	Score	.98
Exons	818..1077, 1158..1328		

Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59132	Strand	+
Start	1684	End	2218
Name	OJ000250_62.0214.C42.o1.gp	Method	AAT/GAP
Start	1684	End	2218
GI	27906_1.R1084	Score	802
Exons	1684..2218		
GI Descrip.	'927428/emb|CAA60412| 4.0e-10 (X86733) fis1 [Linum usitatissimum]'		

Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o2.tm	Method	TBLASTX:Maize
Start	1422	End	1885
GI	none	Score	46
Exons	1422..1463, 1429..1494, 1430..1513, 1456..1629, 1456..1623, 1493..1627, 1497..1628, 1666..1884, 1667..1885, 1676..1885		

Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o2.ts	Method	TBLASTX:Soybean
Start	1572	End	1886
GI	none	Score	39
Exons	1572..1601, 1666..1854, 1667..1882, 1676..1879, 1680..1886		

Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o3.ts	Method	TBLASTX:Soybean
Start	2926	End	3306
GI	none	Score	59

Exons	2926..2988, 2935..2988, 2937..2996, 2942..2989, 2946..2999, 3090..3137, 3092..3118, 3132..3212, 3145..3306, 3249..3305		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o1.tm	Method	TBLASTX:Maize
Start	2935	End	3883
GI	none	Score	73
Exons	2935..2988, 2937..2996, 2942..2989, 3090..3137, 3092..3118, 3132..3212, 3145..3462, 3178..3213, 3249..3461, 3335..3475, 3456..3881, 3457..3846, 3746..3883		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o1.np	Method	AAT/NAP
Start	3067	End	4794
GI	6729489	Score	1064
Exons	3067..4794		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o2.gs	Method	GENSCAN
Start	3090	End	4712
GI	none	Score	1
Exons	3090..4712		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o1.tc	Method	TBLASTX:Cress
Start	3249	End	4730
GI	none	Score	70
Exons	3249..3800, 3697..3777, 3804..3980, 3823..3846, 3901..3957, 3972..4133, 4000..4134, 4392..4532, 4393..4527, 4635..4730		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o1.tw	Method	TBLASTX:Wheat
Start	3474	End	3825
GI	none	Score	59
Exons	3474..3797, 3478..3621, 3697..3825		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42
Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o1.ts	Method	TBLASTX:Soybean
Start	3513	End	4022
GI	none	Score	73
Exons	3513..4022, 3532..3630, 3696..3797, 3901..3993		
Seq. No.	28628	Seq. ID	OJ000250_62.0214.C42

Gene No.	59133	Strand	-
Start	3090	End	4794
Name	OJ000250_62.0214.C42.o3.tm	Method	TBLASTX:Maize
Start	3885	End	4142
GI	none	Score	82
Exons	3885..3980, 3999..4094, 4000..4113, 4086..4142, 4095..4130		

Seq. No.	28629	Seq. ID	OJ000250_62.0214.C43
Gene No.	59134	Strand	-
Start	1	End	552
Name	OJ000250_62.0214.C43.o1.np	Method	AAT/NAP
Start	1	End	510
GI	6729489	Score	237
Exons	1..510		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	28629	Seq. ID	OJ000250_62.0214.C43
Gene No.	59134	Strand	-
Start	1	End	552
Name	OJ000250_62.0214.C43.o1.gs	Method	GENSCAN
Start	93	End	552
GI	none	Score	.99
Exons	93..552		

Seq. No.	28629	Seq. ID	OJ000250_62.0214.C43
Gene No.	59135	Strand	-
Start	2028	End	2187
Name	OJ000250_62.0214.C43.o2.gs	Method	GENSCAN
Start	2028	End	2187
GI	none	Score	.97
Exons	2028..2187		

Seq. No.	28630	Seq. ID	OJ000250_62.0214.C44
Gene No.	59136	Strand	+
Start	870	End	1095
Name	OJ000250_62.0214.C44.o1.gs	Method	GENSCAN
Start	870	End	1095
GI	none	Score	.57
Exons	870..1095		

Seq. No.	28631	Seq. ID	OJ000250_62.0214.C45
Gene No.	59137	Strand	-
Start	85	End	768
Name	OJ000250_62.0214.C45.o1.gs	Method	GENSCAN
Start	85	End	768
GI	none	Score	.89
Exons	85..188, 726..768		

Seq. No.	28632	Seq. ID	OJ000250_62.0214.C46
Gene No.	59138	Strand	-
Start	1	End	450
Name	OJ000250_62.0214.C46.o1.np	Method	AAT/NAP
Start	1	End	450
GI	6815109	Score	219
Exons	1..450		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28632	Seq. ID	OJ000250_62.0214.C46
Gene No.	59138	Strand	-
Start	1	End	450
Name	OJ000250_62.0214.C46.o1.gs	Method	GENSCAN
Start	68	End	324
GI	none	Score	.87
Exons	68..139, 187..324		

Seq. No.	28633	Seq. ID	OJ000250_66.0228.C2
Gene No.	59139	Strand	+
Start	1	End	894
Name	OJ000250_66.0228.C2.o1.np	Method	AAT/NAP
Start	1	End	894
GI	4680179	Score	1149
Exons	1..894		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28634	Seq. ID	OJ000250_66.0228.C4
Gene No.	59140	Strand	-
Start	257	End	850
Name	OJ000250_66.0228.C4.o1.np	Method	AAT/NAP
Start	257	End	850
GI	2605798	Score	104
Exons	257..850		
GI Descrip.	(AF027735) minor ampullate silk protein MiSp1 [Nephila clavipes]		

Seq. No.	28634	Seq. ID	OJ000250_66.0228.C4
Gene No.	59140	Strand	-
Start	257	End	850
Name	OJ000250_66.0228.C4.o1.gs	Method	GENSCAN
Start	681	End	794
GI	none	Score	.76
Exons	681..794		

Seq. No.	28635	Seq. ID	OJ000250_66.0228.C5
Gene No.	59141	Strand	-
Start	1	End	167
Name	OJ000250_66.0228.C5.o1.np	Method	AAT/NAP
Start	1	End	167
GI	4680179	Score	203
Exons	1..167		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28635	Seq. ID	OJ000250_66.0228.C5
Gene No.	59141	Strand	-
Start	1	End	167
Name	OJ000250_66.0228.C5.o1.gs	Method	GENSCAN
Start	33	End	143
GI	none	Score	.76
Exons	33..143		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59142	Strand	+
Start	956	End	1843
Name	OJ000250_66.0228.C6.o1.gs	Method	GENSCAN
Start	956	End	1843

GI	none	Score	.75
Exons	956..1843		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59142	Strand	+
Start	956	End	1843
Name	OJ000250_66.0228.C6.o1.np	Method	AAT/NAP
Start	1022	End	1840
GI	5042448	Score	1154
Exons	1022..1840		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o2.gs	Method	GENSCAN
Start	2095	End	6039
GI	none	Score	.94
Exons	2095..6039		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o2.np	Method	AAT/NAP
Start	2095	End	6605
GI	4680179	Score	6730
Exons	2095..6016, 6566..6605		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o7.tm	Method	TBLASTX:Maize
Start	3238	End	3558
GI	none	Score	184
Exons	3238..3558, 3266..3373, 3282..3383		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o7.tw	Method	TBLASTX:Wheat
Start	3241	End	3663
GI	none	Score	150
Exons	3241..3450, 3276..3389, 3450..3590, 3472..3663, 3501..3656		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o3.tw	Method	TBLASTX:Wheat
Start	3820	End	4302
GI	none	Score	546
Exons	3820..4302, 3924..4259, 3949..4293		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605

Name	OJ000250_66.0228.C6.o4.tm	Method	TBLASTX:Maize
Start	3832	End	4121
GI	none	Score	318
Exons	3832..4119, 3930..4121		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o3.tm	Method	TBLASTX:Maize
Start	4189	End	4689
GI	none	Score	161
Exons	4189..4368, 4354..4689, 4440..4571, 4596..4646		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o1.ts	Method	TBLASTX:Soybean
Start	4243	End	4638
GI	none	Score	57
Exons	4243..4275, 4243..4287, 4279..4638, 4279..4422, 4383..4637		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o5.tw	Method	TBLASTX:Wheat
Start	4351	End	4653
GI	none	Score	402
Exons	4351..4653, 4351..4644, 4383..4652		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o1.tw	Method	TBLASTX:Wheat
Start	4654	End	5163
GI	none	Score	630
Exons	4654..5163, 4686..4997, 4732..5079		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o3.ts	Method	TBLASTX:Soybean
Start	4660	End	4905
GI	none	Score	202
Exons	4660..4905		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o1.tm	Method	TBLASTX:Maize
Start	4726	End	5091
GI	none	Score	488
Exons	4726..5079, 4728..4994, 4780..5091		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o2.tw	Method	TBLASTX:Wheat

Start	5167	End	5646
GI	none	Score	584
Exons	5167..5646, 5200..5613, 5391..5645		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o5.tm	Method	TBLASTX:Maize
Start	5296	End	5610
GI	none	Score	267
Exons	5296..5610, 5377..5598, 5406..5609		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o1.tc	Method	TBLASTX:Cress
Start	5353	End	5670
GI	none	Score	90
Exons	5353..5526, 5527..5670, 5529..5669		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o2.ts	Method	TBLASTX:Soybean
Start	5434	End	5694
GI	none	Score	282
Exons	5434..5694, 5445..5693		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o2.tm	Method	TBLASTX:Maize
Start	5611	End	5931
GI	none	Score	439
Exons	5611..5928, 5622..5924, 5626..5931		

Seq. No.	28636	Seq. ID	OJ000250_66.0228.C6
Gene No.	59143	Strand	+
Start	2095	End	6605
Name	OJ000250_66.0228.C6.o4.tw	Method	TBLASTX:Wheat
Start	5652	End	6015
GI	none	Score	462
Exons	5652..6014, 5653..6015, 5653..6015		

Seq. No.	28637	Seq. ID	OJ000250_66.0228.C7
Gene No.	59144	Strand	+
Start	229	End	765
Name	OJ000250_66.0228.C7.o1.gs	Method	GENSCAN
Start	229	End	765
GI	none	Score	.71
Exons	229..400, 658..765		

Seq. No.	28637	Seq. ID	OJ000250_66.0228.C7
Gene No.	59145	Strand	+
Start	1179	End	1564
Name	OJ000250_66.0228.C7.o1.gp	Method	AAT/GAP
Start	1179	End	1564

GI	uC-osflcyp033a04b1	Score	641
Exons	1179..1564		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28637	Seq. ID	OJ000250_66.0228.C7
Gene No.	59146	Strand	-
Start	1	End	2538
Name	OJ000250_66.0228.C7.o1.np	Method	AAT/NAP
Start	1	End	2538
GI	5852180	Score	450
Exons	1..253, 305..422, 1413..1460, 2105..2332, 2474..2538		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28637	Seq. ID	OJ000250_66.0228.C7
Gene No.	59146	Strand	-
Start	1	End	2538
Name	OJ000250_66.0228.C7.o2.gs	Method	GENSCAN
Start	1109	End	2513
GI	none	Score	.42
Exons	1109..1252, 2466..2513		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59147	Strand	+
Start	1	End	9368
Name	OJ000250_66.0228.C8.o1.np	Method	AAT/NAP
Start	1	End	4920
GI	4680179	Score	1712
Exons	1..959, 4356..4920		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59147	Strand	+
Start	1	End	9368
Name	OJ000250_66.0228.C8.o1.gs	Method	GENSCAN
Start	73	End	1381
GI	none	Score	.76
Exons	73..604, 734..949, 1226..1381		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59147	Strand	+
Start	1	End	9368
Name	OJ000250_66.0228.C8.o3.gs	Method	GENSCAN
Start	4574	End	9368
GI	none	Score	.65
Exons	4574..4793, 5494..6128, 8088..8157, 8439..8564, 8749..9368		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59148	Strand	+
Start	14192	End	18040
Name	OJ000250_66.0228.C8.o5.gs	Method	GENSCAN
Start	14192	End	18040
GI	none	Score	.55
Exons	14192..14319, 14366..14475, 14628..14690, 15500..15558, 15957..16334, 16521..16569, 16707..16804, 16967..17177, 17296..17536, 17640..17805, 17897..18040		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59149	Strand	-
Start	1111	End	1221
Name	OJ000250_66.0228.C8.o1.gp	Method	AAT/GAP
Start	1111	End	1221
GI	uC-osflcyp088b12b1	Score	135
Exons	1111..1221		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59150	Strand	-
Start	2703	End	3835
Name	OJ000250_66.0228.C8.o2.gs	Method	GENSCAN
Start	2703	End	3835
GI	none	Score	.56
Exons	2703..3119, 3214..3576, 3779..3835		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o2.tw	Method	TBLASTX:Wheat
Start	2	End	514
GI	none	Score	592
Exons	2..514, 16..510		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o7.tm	Method	TBLASTX:Maize
Start	164	End	478
GI	none	Score	249
Exons	164..478, 275..328, 376..477		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o3.tc	Method	TBLASTX:Cress
Start	221	End	538
GI	none	Score	107
Exons	221..394, 229..342, 395..538, 397..537		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o5.ts	Method	TBLASTX:Soybean
Start	313	End	561
GI	none	Score	275
Exons	313..561, 314..559		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o1.tm	Method	TBLASTX:Maize
Start	479	End	21607
GI	none	Score	464
Exons	479..796, 481..798, 487..798, 494..799, 21446..21607		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o4.tw	Method	TBLASTX:Wheat
Start	521	End	4543
GI	none	Score	491
Exons	521..958, 523..957, 614..964, 672..965, 4349..4543, 4351..4542		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o3.tm	Method	TBLASTX:Maize
Start	800	End	4684
GI	none	Score	90
Exons	800..862, 805..858, 859..957, 860..958, 4351..4683, 4352..4684		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o6.tw	Method	TBLASTX:Wheat
Start	4543	End	4840
GI	none	Score	334
Exons	4543..4767, 4544..4840		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o2.tc	Method	TBLASTX:Cress
Start	16718	End	17738
GI	none	Score	71
Exons	16718..16846, 16961..17167, 17277..17483, 17637..17738, 17641..17736		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o4.ts	Method	TBLASTX:Soybean
Start	16718	End	17736
GI	none	Score	70
Exons	16718..16846, 16961..17182, 17277..17483, 17456..17521, 17637..17735, 17641..17736		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o5.tm	Method	TBLASTX:Maize
Start	16988	End	17742
GI	none	Score	155
Exons	16988..17227, 17319..17525, 17641..17742		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o8.tw	Method	TBLASTX:Wheat
Start	17319	End	17742
GI	none	Score	151

Exons	17319..17525, 17637..17741, 17641..17742		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o2.np	Method	AAT/NAP
Start	19361	End	24178
GI	6539553	Score	6002
Exons	19361..22963, 24066..24178		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o3.tw	Method	TBLASTX:Wheat
Start	19497	End	19972
GI	none	Score	341
Exons	19497..19883, 19535..19882, 19576..19884, 19892..19972, 19898..19972		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o6.ts	Method	TBLASTX:Soybean
Start	19625	End	19966
GI	none	Score	95
Exons	19625..19834, 19646..19834, 19853..19966, 19860..19883		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o6.tm	Method	TBLASTX:Maize
Start	19829	End	20167
GI	none	Score	181
Exons	19829..20167, 19844..20167		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o2.ts	Method	TBLASTX:Soybean
Start	19979	End	20324
GI	none	Score	121
Exons	19979..20323, 20124..20324		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o5.tw	Method	TBLASTX:Wheat
Start	20177	End	20722
GI	none	Score	50
Exons	20177..20383, 20187..20318, 20378..20722, 20402..20575		
Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-

Start	19361	End	24178
Name	OJ000250_66.0228.C8.o4.tm	Method	TBLASTX:Maize
Start	20258	End	20723
GI	none	Score	55
Exons	20258..20722, 20361..20471, 20405..20707, 20541..20723		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o1.ts	Method	TBLASTX:Soybean
Start	20393	End	20857
GI	5509260	Score	58
Exons	20393..20857, 20412..20471, 20544..20639, 20688..20756		
GI Descrip.	-		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o1.tc	Method	TBLASTX:Cress
Start	20504	End	20764
GI	none	Score	286
Exons	20504..20764		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o1.tw	Method	TBLASTX:Wheat
Start	20777	End	21532
GI	none	Score	200
Exons	20777..21010, 20778..20936, 20794..21024, 20797..20994, 21045..21524, 21074..21532		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o3.ts	Method	TBLASTX:Soybean
Start	21182	End	21580
GI	none	Score	38
Exons	21182..21355, 21309..21347, 21356..21580, 21402..21572		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o7.tw	Method	TBLASTX:Wheat
Start	21533	End	21871
GI	none	Score	74
Exons	21533..21871, 21554..21739		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8
Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o7.ts	Method	TBLASTX:Soybean
Start	21590	End	21985
GI	none	Score	90
Exons	21590..21838, 21821..21985		

Seq. No.	28638	Seq. ID	OJ000250_66.0228.C8

Gene No.	59151	Strand	-
Start	19361	End	24178
Name	OJ000250_66.0228.C8.o2.tm	Method	TBLASTX:Maize
Start	22003	End	22325
GI	none	Score	379
Exons	22003..22170, 22004..22318, 22005..22298, 22071..22325		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59152	Strand	+
Start	163	End	5066
Name	OJ000250_66.0228.C9.o1.gs	Method	GENSCAN
Start	163	End	5066
GI	none	Score	.91
Exons	163..272, 1912..2456, 2889..3049, 3537..3746, 3831..3996, 4071..4175, 4449..4474, 4902..5066		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59153	Strand	+
Start	6068	End	11196
Name	OJ000250_66.0228.C9.o2.gs	Method	GENSCAN
Start	6068	End	11196
GI	none	Score	.69
Exons	6068..6133, 6163..6410, 6567..7191, 8014..8065, 8353..8708, 8782..8808, 9080..9138, 9288..9364, 9690..9815, 9949..10046, 10205..10415, 10539..10779, 11031..11196		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59153	Strand	+
Start	6068	End	11196
Name	OJ000250_66.0228.C9.o1.np	Method	AAT/NAP
Start	6424	End	11149
GI	3056587	Score	359
Exons	6424..6491, 9942..10055, 10205..10415, 10542..10779, 11031..11149		
GI Descrip.	(AC004255) T1F9.8 [Arabidopsis thaliana]		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59153	Strand	+
Start	6068	End	11196
Name	OJ000250_66.0228.C9.o1.ts	Method	TBLASTX:Soybean
Start	10186	End	11130
GI	none	Score	179
Exons	10186..10248, 10187..10411, 10312..10401, 10532..10741, 10561..10773, 10566..10751, 11032..11130		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59153	Strand	+
Start	6068	End	11196
Name	OJ000250_66.0228.C9.o1.tm	Method	TBLASTX:Maize
Start	10205	End	11130
GI	none	Score	137
Exons	10205..10453, 10562..10726, 11032..11130		

Seq. No.	28639	Seq. ID	OJ000250_66.0228.C9
Gene No.	59153	Strand	+
Start	6068	End	11196
Name	OJ000250_66.0228.C9.o1.tc	Method	TBLASTX:Cress

Start	10274	End	10773
GI	none	Score	163
Exons	10274..10411, 10312..10422, 10529..10741, 10561..10773		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59154	Strand	+
Start	1838	End	6335
Name	OJ000250_66.0228.C10.o1.gs	Method	GENSCAN
Start	1838	End	6335
GI	none	Score	.54
Exons	1838..2026, 2089..2309, 2402..2456, 2574..2689, 3184..3253, 3816..4088, 4877..5502, 5645..5759, 5865..5982, 6211..6335		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59155	Strand	+
Start	6239	End	12914
Name	OJ000250_66.0228.C10.o3.gp	Method	AAT/GAP
Start	6239	End	7124
GI	uC-osroM202028g12b1	Score	211
Exons	6239..6310, 7063..7124		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59155	Strand	+
Start	6239	End	12914
Name	OJ000250_66.0228.C10.o2.gs	Method	GENSCAN
Start	6948	End	12914
GI	none	Score	.47
Exons	6948..7036, 8179..8377, 11111..11179, 11606..11666, 11995..12914		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59156	Strand	+
Start	13045	End	14668
Name	OJ000250_66.0228.C10.o1.np	Method	AAT/NAP
Start	13045	End	14665
GI	4680179	Score	2390
Exons	13045..14665		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59156	Strand	+
Start	13045	End	14668
Name	OJ000250_66.0228.C10.o3.gs	Method	GENSCAN
Start	13271	End	14668
GI	none	Score	.92
Exons	13271..14668		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59157	Strand	-
Start	3996	End	4900
Name	OJ000250_66.0228.C10.o2.gp	Method	AAT/GAP
Start	3996	End	4900
GI	6547_1.R1084	Score	1142
Exons	3996..4290, 4393..4900		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o3.tm	Method	TBLASTX:Maize
Start	4477	End	4822
GI	none	Score	52
Exons	4477..4530, 4576..4611, 4620..4817, 4623..4820, 4715..4822, 4724..4822		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o2.tw	Method	TBLASTX:Wheat
Start	13115	End	13654
GI	none	Score	619
Exons	13115..13654, 13297..13650		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o1.tc	Method	TBLASTX:Cress
Start	13352	End	13678
GI	none	Score	90
Exons	13352..13534, 13535..13678, 13537..13677		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	13442	End	13702
GI	none	Score	301
Exons	13442..13702, 13453..13701, 13454..13702		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o2.tm	Method	TBLASTX:Maize
Start	13500	End	13792
GI	none	Score	78
Exons	13500..13601, 13501..13788, 13502..13792, 13634..13789		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	13661	End	14287
GI	none	Score	719
Exons	13661..14287, 13720..14166, 14227..14286		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	13840	End	14425
GI	none	Score	229
Exons	13840..13995, 13841..14002, 13999..14163, 14000..14425,		

14159..14404, 14227..14424

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o3.tw	Method	TBLASTX:Wheat
Start	14287	End	14620
GI	none	Score	315
Exons	14287..14568, 14288..14620, 14453..14569		

Seq. No.	28640	Seq. ID	OJ000250_66.0228.C10
Gene No.	59158	Strand	-
Start	14904	End	15217
Name	OJ000250_66.0228.C10.o4.gs	Method	GENSCAN
Start	14904	End	15217
GI	none	Score	.9
Exons	14904..15217		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59159	Strand	+
Start	1217	End	3111
Name	OJ000250_66.0228.C11.o1.gs	Method	GENSCAN
Start	1217	End	3111
GI	none	Score	.92
Exons	1217..1333, 2311..3111		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59159	Strand	+
Start	1217	End	3111
Name	OJ000250_66.0228.C11.o1.np	Method	AAT/NAP
Start	2311	End	3108
GI	4512231	Score	1310
Exons	2311..3108		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o2.np	Method	AAT/NAP
Start	3330	End	5897
GI	4680179	Score	2309
Exons	3330..4366, 4394..5897		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o2.gs	Method	GENSCAN
Start	3376	End	5891
GI	none	Score	.75
Exons	3376..3845, 3859..4754, 4826..5234, 5252..5891		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o3.tw	Method	TBLASTX:Wheat
Start	3547	End	3906

GI	none	Score	264
Exons	3547..3906, 3573..3650		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o3.tm	Method	TBLASTX:Maize
Start	3787	End	4093
GI	none	Score	133
Exons	3787..3957, 3956..4093		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o4.tw	Method	TBLASTX:Wheat
Start	4472	End	4777
GI	none	Score	235
Exons	4472..4762, 4472..4777		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o2.tw	Method	TBLASTX:Wheat
Start	4869	End	5251
GI	none	Score	443
Exons	4869..5249, 4870..5250, 5018..5251		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o2.tm	Method	TBLASTX:Maize
Start	4879	End	5171
GI	none	Score	332
Exons	4879..5169, 4881..5171		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o2.ts	Method	TBLASTX:Soybean
Start	4906	End	5220
GI	none	Score	198
Exons	4906..5220		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o1.tw	Method	TBLASTX:Wheat
Start	5334	End	5759
GI	none	Score	607
Exons	5334..5759, 5336..5752		

Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o1.ts	Method	TBLASTX:Soybean
Start	5340	End	5588
GI	none	Score	209

Exons	5340..5588		
Seq. No.	28641	Seq. ID	OJ000250_66.0228.C11
Gene No.	59160	Strand	+
Start	3376	End	5897
Name	OJ000250_66.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	5406	End	5759
GI	none	Score	465
Exons	5406..5759, 5411..5752		
Seq. No.	28642	Seq. ID	OJ000250_66.0228.C12
Gene No.	59161	Strand	-
Start	716	End	867
Name	OJ000250_66.0228.C12.o1.np	Method	AAT/NAP
Start	716	End	867
GI	4680183	Score	150
Exons	716..867		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	28643	Seq. ID	OJ000250_66.0228.C14
Gene No.	59162	Strand	-
Start	23	End	58
Name	OJ000250_66.0228.C14.o1.gs	Method	GENSCAN
Start	23	End	58
GI	none	Score	.42
Exons	23..58		
Seq. No.	28644	Seq. ID	OJ000250_66.0228.C15
Gene No.	59163	Strand	+
Start	1	End	3526
Name	OJ000250_66.0228.C15.o1.np	Method	AAT/NAP
Start	1	End	3526
GI	6069646	Score	456
Exons	1..264, 2992..3526		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	28644	Seq. ID	OJ000250_66.0228.C15
Gene No.	59163	Strand	+
Start	1	End	3526
Name	OJ000250_66.0228.C15.o1.gs	Method	GENSCAN
Start	2561	End	3355
GI	none	Score	.68
Exons	2561..2760, 2858..2891, 3137..3355		
Seq. No.	28644	Seq. ID	OJ000250_66.0228.C15
Gene No.	59164	Strand	+
Start	4589	End	6032
Name	OJ000250_66.0228.C15.o2.np	Method	AAT/NAP
Start	4589	End	6032
GI	6907088	Score	998
Exons	4589..4726, 4902..5139, 5635..6032		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28644	Seq. ID	OJ000250_66.0228.C15
Gene No.	59165	Strand	-
Start	4005	End	5855
Name	OJ000250_66.0228.C15.o2.gs	Method	GENSCAN
Start	4005	End	5855
GI	none	Score	.54
Exons	4005..4078, 5801..5855		

Seq. No.	28645	Seq. ID	OJ000250_66.0228.C18
Gene No.	59166	Strand	+
Start	907	End	3760
Name	OJ000250_66.0228.C18.o1.gs	Method	GENSCAN
Start	907	End	3760
GI	none	Score	.91
Exons	907..992, 1085..1133, 1319..1368, 2042..2535, 2729..2889, 3158..3367, 3450..3642, 3681..3760		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59167	Strand	+
Start	85	End	810
Name	OJ000250_66.0228.C19.o1.gs	Method	GENSCAN
Start	85	End	810
GI	none	Score	.99
Exons	85..179, 688..810		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59168	Strand	+
Start	2311	End	2765
Name	OJ000250_66.0228.C19.o2.gs	Method	GENSCAN
Start	2311	End	2765
GI	none	Score	.89
Exons	2311..2417, 2561..2765		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59169	Strand	+
Start	11838	End	14597
Name	OJ000250_66.0228.C19.o5.gs	Method	GENSCAN
Start	11838	End	14585
GI	none	Score	.58
Exons	11838..11879, 11921..12057, 12168..12323, 13487..13749, 13903..14585		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59169	Strand	+
Start	11838	End	14597
Name	OJ000250_66.0228.C19.o1.np	Method	AAT/NAP
Start	13852	End	14597
GI	5257279	Score	1191
Exons	13852..14597		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59170	Strand	-
Start	3556	End	7394
Name	OJ000250_66.0228.C19.o3.gs	Method	GENSCAN
Start	3556	End	7394

GI	none	Score	.69
Exons	3556..3822, 4495..4636, 4691..4863, 5143..5293, 5375..5606, 6671..6820, 6902..7091, 7176..7394		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59171	Strand	
Start	13857	End	14564
Name	OJ000250_66.0228.C19.o2.tw	Method	TBLASTX:Wheat
Start	13857	End	14162
GI	none	Score	56
Exons	13857..13922, 13901..13981, 13904..13984, 13905..13988, 13991..14116, 13992..14162, 13992..14162		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59171	Strand	
Start	13857	End	14564
Name	OJ000250_66.0228.C19.o1.tm	Method	TBLASTX:Maize
Start	14001	End	14501
GI	none	Score	159
Exons	14001..14180, 14166..14501, 14252..14380, 14408..14455		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59171	Strand	
Start	13857	End	14564
Name	OJ000250_66.0228.C19.o1.ts	Method	TBLASTX:Soybean
Start	14055	End	14450
GI	none	Score	54
Exons	14055..14087, 14085..14420, 14091..14450, 14093..14449		

Seq. No.	28646	Seq. ID	OJ000250_66.0228.C19
Gene No.	59171	Strand	
Start	13857	End	14564
Name	OJ000250_66.0228.C19.o1.tw	Method	TBLASTX:Wheat
Start	14163	End	14564
GI	none	Score	504
Exons	14163..14564, 14163..14399, 14165..14563		

Seq. No.	28647	Seq. ID	OJ000250_59.0214.C1
Gene No.	59172	Strand	+
Start	1	End	76
Name	OJ000250_59.0214.C1.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	1..76		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28648	Seq. ID	OJ000250_59.0214.C2
Gene No.	59173	Strand	-
Start	1	End	343
Name	OJ000250_59.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	343
GI	5852179	Score	165
Exons	1..343		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	28648	Seq. ID	OJ000250_59.0214.C2
Gene No.	59173	Strand	-
Start	1	End	343
Name	OJ000250_59.0214.C2.o1.gs	Method	GENSCAN
Start	111	End	206
GI	none	Score	.5
Exons	111..206		

Seq. No.	28649	Seq. ID	OJ000250_59.0214.C3
Gene No.	59174	Strand	-
Start	51	End	225
Name	OJ000250_59.0214.C3.o1.gs	Method	GENSCAN
Start	51	End	225
GI	none	Score	.46
Exons	51..225		

Seq. No.	28650	Seq. ID	OJ000250_59.0214.C4
Gene No.	59175	Strand	-
Start	88	End	268
Name	OJ000250_59.0214.C4.o1.gs	Method	GENSCAN
Start	88	End	268
GI	none	Score	.84
Exons	88..268		

Seq. No.	28651	Seq. ID	OJ000250_59.0214.C6
Gene No.	59176	Strand	+
Start	278	End	518
Name	OJ000250_59.0214.C6.o1.gp	Method	AAT/GAP
Start	278	End	518
GI	28898_2.R1084	Score	373
Exons	278..518		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	28652	Seq. ID	OJ000250_59.0214.C7
Gene No.	59177	Strand	+
Start	92	End	283
Name	OJ000250_59.0214.C7.o1.gp	Method	AAT/GAP
Start	92	End	283
GI	569787	Score	349
Exons	92..283		
GI Descrip.	1708236/sp|P54873|HMCS_ARATH 2.0e-24 HYDROXYMETHYLGLUTARYL-COA SYNTHASE (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE) >gi_2129617_pir__JC4567 hydroxymethylglutaryl-CoA synthase (EC 4.1.3.5) - Arabidopsis thaliana >gi_1143390_emb_CAA58763_ (X83882) hydroxymethylglutaryl-CoA synthase [Arabidopsis thaliana] >gi_1586548_prf__2204245A hydroxy methylglutaryl CoA synthase [		

Seq. No.	28652	Seq. ID	OJ000250_59.0214.C7
Gene No.	59177	Strand	+
Start	92	End	283
Name	OJ000250_59.0214.C7.o1.gs	Method	GENSCAN
Start	115	End	277
GI	none	Score	.93
Exons	115..277		

Seq. No.	28653	Seq. ID	OJ000250_59.0214.C8
Gene No.	59178	Strand	-
Start	432	End	521
Name	OJ000250_59.0214.C8.o1.gs	Method	GENSCAN
Start	432	End	521
GI	none	Score	.91
Exons	432..521		

Seq. No.	28654	Seq. ID	OJ000250_59.0214.C14
Gene No.	59179	Strand	
Start	295	End	1233
Name	OJ000250_59.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	295	End	1233
GI	none	Score	121
Exons	295..378, 305..379, 326..379, 1081..1233, 1082..1228	879..971, 890..967, 1071..1223,	

Seq. No.	28654	Seq. ID	OJ000250_59.0214.C14
Gene No.	59179	Strand	
Start	295	End	1233
Name	OJ000250_59.0214.C14.o1.tc	Method	TBLASTX:Cress
Start	325	End	1233
GI	none	Score	63
Exons	325..375, 329..376, 890..952, 1082..1231	890..952, 891..953, 1081..1233,	

Seq. No.	28654	Seq. ID	OJ000250_59.0214.C14
Gene No.	59179	Strand	
Start	295	End	1233
Name	OJ000250_59.0214.C14.o1.ts	Method	TBLASTX:Soybean
Start	912	End	1227
GI	none	Score	72
Exons	912..971, 914..970, 1081..1227, 1085..1216		

Seq. No.	28655	Seq. ID	OJ000250_59.0214.C15
Gene No.	59180	Strand	+
Start	1	End	153
Name	OJ000250_59.0214.C15.o1.np	Method	AAT/NAP
Start	1	End	153
GI	5091513	Score	196
Exons	1..153		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	28655	Seq. ID	OJ000250_59.0214.C15
Gene No.	59181	Strand	+
Start	73	End	116
Name	OJ000250_59.0214.C15.o1.gs	Method	GENSCAN
Start	73	End	116
GI	none	Score	.99
Exons	73..116		

Seq. No.	28656	Seq. ID	OJ000250_59.0214.C17
Gene No.	59182	Strand	-
Start	1	End	629
Name	OJ000250_59.0214.C17.o1.np	Method	AAT/NAP
Start	1	End	629
GI	5042454	Score	278

Exons	1..33, 292..629		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	28656	Seq. ID	OJ000250_59.0214.C17
Gene No.	59182	Strand	-
Start	1	End	629
Name	OJ000250_59.0214.C17.o1.gs	Method	GENSCAN
Start	291	End	569
GI	none	Score	.57
Exons	291..569		
Seq. No.	28656	Seq. ID	OJ000250_59.0214.C17
Gene No.	59182	Strand	-
Start	1	End	629
Name	OJ000250_59.0214.C17.o1.tw	Method	TBLASTX:Wheat
Start	303	End	623
GI	none	Score	66
Exons	303..434, 304..429, 459..623		
Seq. No.	28656	Seq. ID	OJ000250_59.0214.C17
Gene No.	59182	Strand	-
Start	1	End	629
Name	OJ000250_59.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	339	End	605
GI	none	Score	48
Exons	339..422, 373..429, 417..536, 423..605		
Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59183	Strand	+
Start	814	End	4466
Name	OJ000250_59.0214.C18.o1.gs	Method	GENSCAN
Start	814	End	4466
GI	none	Score	.78
Exons	814..909, 950..1149, 1256..1398, 1455..1540, 1935..2103, 2270..2394, 2460..2653, 3034..3630, 3765..3910, 4009..4466		
Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59183	Strand	+
Start	814	End	4466
Name	OJ000250_59.0214.C18.o1.np	Method	AAT/NAP
Start	2230	End	3631
GI	6721561	Score	1088
Exons	2230..2298, 2460..2654, 2723..2785, 2870..3631		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59184	Strand	+
Start	11945	End	12340
Name	OJ000250_59.0214.C18.o3.gs	Method	GENSCAN
Start	11945	End	12340
GI	none	Score	.42
Exons	11945..12040, 12257..12340		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59185	Strand	-
Start	5142	End	10287
Name	OJ000250_59.0214.C18.o2.gs	Method	GENSCAN
Start	5142	End	10287
GI	none	Score	.5
Exons	5142..5706, 5788..6798, 6910..7581, 7681..8273, 8361..8975, 9027..9209, 9290..9800, 9833..10287		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59185	Strand	-
Start	5142	End	10287
Name	OJ000250_59.0214.C18.o2.np	Method	AAT/NAP
Start	5145	End	8264
GI	5902445	Score	3137
Exons	5145..6382, 6422..8264		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59186	Strand	-
Start	13066	End	21932
Name	OJ000250_59.0214.C18.o4.gs	Method	GENSCAN
Start	13066	End	21932
GI	none	Score	.42
Exons	13066..13526, 16514..17104, 17537..17686, 17915..18080, 18128..18762, 18966..19150, 19760..20075, 20555..20683, 20809..20971, 21162..21932		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59186	Strand	-
Start	13066	End	21932
Name	OJ000250_59.0214.C18.o1.gp	Method	AAT/GAP
Start	14557	End	14798
GI	none	Score	422
Exons	14557..14798		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59186	Strand	-
Start	13066	End	21932
Name	OJ000250_59.0214.C18.o3.np	Method	AAT/NAP
Start	16395	End	21418
GI	6623973	Score	2590
Exons	16395..20187, 21282..21418		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59187	Strand	-
Start	25123	End	27742
Name	OJ000250_59.0214.C18.o2.gp	Method	AAT/GAP
Start	24936	End	27742
GI	10436_1.R1084	Score	1774
Exons	24936..25201, 25352..25671, 27399..27742		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18

Gene No.	59187	Strand	-
Start	25123	End	27742
Name	OJ000250_59.0214.C18.o5.gs	Method	GENSCAN
Start	25123	End	27596
GI	none	Score	.88
Exons	25123..25201, 25352..25671, 27399..27596		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o4.tw	Method	TBLASTX:Wheat
Start	5154	End	5762
GI	none	Score	66
Exons	5154..5285, 5155..5280, 5310..5762, 5506..5613, 5659..5757		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o9.tm	Method	TBLASTX:Maize
Start	5190	End	5456
GI	none	Score	48
Exons	5190..5273, 5224..5280, 5268..5387, 5274..5456		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o6.tm	Method	TBLASTX:Maize
Start	5670	End	18721
GI	none	Score	111
Exons	5670..5810, 18305..18370, 18386..18721, 18564..18707		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o6.tw	Method	TBLASTX:Wheat
Start	5886	End	6269
GI	none	Score	207
Exons	5886..6269, 5887..6261		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o4.tm	Method	TBLASTX:Maize
Start	5964	End	6269
GI	none	Score	159
Exons	5964..6269, 5965..6252		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o15.tw	Method	TBLASTX:Wheat
Start	6474	End	6732
GI	none	Score	88
Exons	6474..6731, 6478..6732		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-

Start	31889	End	43625
Name	OJ000250_59.0214.C18.o10.tw	Method	TBLASTX:Wheat
Start	6771	End	7179
GI	none	Score	35
Exons	6771..6836, 6771..6944, 6823..6915, 6951..7145, 6952..7179, 6954..7178		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o3.ts	Method	TBLASTX:Soybean
Start	7269	End	7670
GI	none	Score	85
Exons	7269..7670, 7510..7668		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o3.tw	Method	TBLASTX:Wheat
Start	7324	End	7748
GI	none	Score	313
Exons	7324..7743, 7326..7748		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o7.tm	Method	TBLASTX:Maize
Start	7422	End	7805
GI	none	Score	175
Exons	7422..7805, 7423..7770		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o2.tm	Method	TBLASTX:Maize
Start	7833	End	8189
GI	none	Score	221
Exons	7833..8189, 7834..8127, 7887..8135		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o2.tw	Method	TBLASTX:Wheat
Start	7863	End	8319
GI	none	Score	340
Exons	7863..8318, 7864..8319		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o5.tw	Method	TBLASTX:Wheat
Start	8511	End	8966
GI	none	Score	103
Exons	8511..8747, 8532..8735, 8629..8745, 8784..8966, 8785..8958		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-

Start	31889	End	43625
Name	OJ000250_59.0214.C18.o14.tw	Method	TBLASTX:Wheat
Start	9596	End	9993
GI	none	Score	92
Exons	9596..9685, 9682..9870, 9710..9856, 9829..9942, 9839..9931, 9943..9993		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o8.tm	Method	TBLASTX:Maize
Start	9709	End	9948
GI	none	Score	202
Exons	9709..9948		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	16404	End	16826
GI	none	Score	288
Exons	16404..16826, 16408..16794		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o2.tc	Method	TBLASTX:Cress
Start	16404	End	17006
GI	none	Score	60
Exons	16404..16616, 16632..16769, 16779..16883, 16878..17006		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o4.ts	Method	TBLASTX:Soybean
Start	16413	End	16805
GI	none	Score	156
Exons	16413..16511, 16530..16805, 16533..16796		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o13.tw	Method	TBLASTX:Wheat
Start	16431	End	16853
GI	none	Score	64
Exons	16431..16631, 16432..16620, 16650..16853, 16663..16794		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o3.tm	Method	TBLASTX:Maize
Start	16877	End	17327
GI	none	Score	80
Exons	16877..17128, 16882..17193, 16890..17207, 16900..17193, 17112..17207, 17169..17327, 17239..17319		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18

Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o1.tw	Method	TBLASTX:Wheat
Start	16980	End	17759
GI	none	Score	52
Exons	16980..17435, 16981..17097, 17145..17363, 17430..17759, 17485..17757		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o5.tm	Method	TBLASTX:Maize
Start	17334	End	17763
GI	none	Score	127
Exons	17334..17762, 17467..17763		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o1.ts	Method	TBLASTX:Soybean
Start	17349	End	17738
GI	none	Score	114
Exons	17349..17738, 17391..17573, 17446..17736		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o9.tw	Method	TBLASTX:Wheat
Start	17760	End	18030
GI	none	Score	205
Exons	17760..18029, 17761..18030		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o2.ts	Method	TBLASTX:Soybean
Start	18230	End	18694
GI	none	Score	139
Exons	18230..18367, 18365..18694, 18366..18686		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o1.tc	Method	TBLASTX:Cress
Start	18239	End	18661
GI	none	Score	164
Exons	18239..18367, 18383..18661		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o8.tw	Method	TBLASTX:Wheat
Start	18263	End	18883
GI	none	Score	38
Exons	18263..18367, 18384..18443, 18385..18444, 18476..18883, 18552..18866		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o12.tw	Method	TBLASTX:Wheat
Start	19603	End	20017
GI	none	Score	54
Exons	19603..19662, 19732..19785, 19774..19884, 19786..19866, 19869..20015, 19870..20016, 19871..20017		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o11.tw	Method	TBLASTX:Wheat
Start	21432	End	21835
GI	none	Score	46
Exons	21432..21536, 21432..21602, 21433..21549, 21592..21732, 21597..21833, 21606..21833, 21695..21835, 21719..21835		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o4.np	Method	AAT/NAP
Start	31889	End	33451
GI	6063554	Score	163
Exons	31889..32063, 33122..33163, 33248..33451		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o3.gp	Method	AAT/GAP
Start	32127	End	32507
GI	2427387	Score	502
Exons	32127..32507		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o5.np	Method	AAT/NAP
Start	32615	End	33530
GI	5852178	Score	405
Exons	32615..32710, 33075..33190, 33222..33530		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o7.gs	Method	GENSCAN
Start	33001	End	38475
GI	none	Score	.41
Exons	33001..33474, 33645..33829, 34530..34667, 36257..36416, 38395..38475		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o6.np	Method	AAT/NAP
Start	36118	End	36739
GI	4680204	Score	49
Exons	36118..36369, 36583..36739		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o7.np	Method	AAT/NAP
Start	36238	End	43625
GI	5053128	Score	80
Exons	36238..36606, 43545..43625		
GI Descrip.	(AF134304) Scar2 [Homo sapiens]		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o8.gs	Method	GENSCAN
Start	39529	End	40675
GI	none	Score	.83
Exons	39529..39581, 39668..39773, 40331..40675		

Seq. No.	28657	Seq. ID	OJ000250_59.0214.C18
Gene No.	59188	Strand	-
Start	31889	End	43625
Name	OJ000250_59.0214.C18.o7.tw	Method	TBLASTX:Wheat
Start	43207	End	43620
GI	none	Score	358
Exons	43207..43620, 43209..43619		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59189	Strand	+
Start	726	End	1159
Name	OJ000250_59.0214.C20.o1.gs	Method	GENSCAN
Start	726	End	1159
GI	none	Score	.42
Exons	726..1159		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o1.tw	Method	TBLASTX:Wheat
Start	386	End	799
GI	none	Score	366
Exons	386..799, 388..798		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o4.tm	Method	TBLASTX:Maize
Start	800	End	991
GI	none	Score	194
Exons	800..991, 820..984		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o1.tm	Method	TBLASTX:Maize
Start	1088	End	2038
GI	none	Score	715
Exons	1088..2038, 1184..1306, 1255..1512, 1559..1681, 1561..1698		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o3.tw	Method	TBLASTX:Wheat
Start	1130	End	2104
GI	none	Score	295
Exons	1130..1438, 1130..1372, 1162..1401, 1967..2104		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o4.tw	Method	TBLASTX:Wheat
Start	1439	End	1786
GI	none	Score	85
Exons	1439..1552, 1441..1557, 1561..1698, 1562..1714, 1706..1786		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o1.ts	Method	TBLASTX:Soybean
Start	1643	End	2113
GI	none	Score	223
Exons	1643..1996, 1985..2113		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o2.tm	Method	TBLASTX:Maize
Start	2233	End	2707
GI	none	Score	301
Exons	2233..2403, 2237..2608, 2531..2608, 2621..2707, 2626..2703		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o2.tw	Method	TBLASTX:Wheat
Start	2432	End	2800
GI	none	Score	314
Exons	2432..2800, 2435..2800		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o3.tm	Method	TBLASTX:Maize
Start	2879	End	3166
GI	none	Score	169
Exons	2879..3067, 2914..3075, 3071..3166		

Seq. No.	28658	Seq. ID	OJ000250_59.0214.C20
Gene No.	59190	Strand	+
Start	3489	End	4129
Name	OJ000250_59.0214.C20.o2.gs	Method	GENSCAN
Start	3489	End	4129
GI	none	Score	.91
Exons	3489..3685, 4004..4129		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o2.tw	Method	TBLASTX:Wheat
Start	355	End	741
GI	none	Score	354
Exons	355..741, 366..740		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o1.np	Method	AAT/NAP
Start	361	End	2764
GI	6539553	Score	4171
Exons	361..2764		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o2.tm	Method	TBLASTX:Maize
Start	490	End	803
GI	none	Score	366
Exons	490..801, 498..803		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o1.tm	Method	TBLASTX:Maize
Start	1302	End	1624
GI	none	Score	268
Exons	1302..1556, 1309..1623, 1329..1622, 1457..1624		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	2037
GI	none	Score	88
Exons	1651..1806, 1789..2037		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o3.tm	Method	TBLASTX:Maize
Start	1825	End	2259

GI	none	Score	303
Exons	1825..2259, 2034..2234		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o3.tw	Method	TBLASTX:Wheat
Start	1902	End	2094
GI	none	Score	131
Exons	1902..2093, 1903..2094, 1903..2094		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o1.ts	Method	TBLASTX:Soybean
Start	2047	End	2472
GI	none	Score	197
Exons	2047..2271, 2055..2225, 2272..2472, 2280..2318		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o1.tc	Method	TBLASTX:Cress
Start	2080	End	2472
GI	none	Score	112
Exons	2080..2262, 2275..2472		

Seq. No.	28659	Seq. ID	OJ000250_59.0214.C21
Gene No.	59191	Strand	+
Start	361	End	2764
Name	OJ000250_59.0214.C21.o1.tw	Method	TBLASTX:Wheat
Start	2095	End	2763
GI	none	Score	624
Exons	2095..2559, 2103..2582, 2602..2760, 2603..2761, 2611..2763, 2633..2761, 2691..2762		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59192	Strand	+
Start	1	End	12948
Name	OJ000250_59.0214.C22.o1.np	Method	AAT/NAP
Start	1	End	1293
GI	6539553	Score	2178
Exons	1..1293		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59192	Strand	+
Start	1	End	12948
Name	OJ000250_59.0214.C22.o1.gs	Method	GENSCAN
Start	59	End	12948
GI	none	Score	.45
Exons	59..1292, 2105..2303, 2385..2658, 3744..3843, 4003..4215, 4671..4692, 5520..5660, 7586..7778, 11513..11580, 12240..12419, 12472..12948		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59193	Strand	+
Start	14545	End	15130
Name	OJ000250_59.0214.C22.o3.np	Method	AAT/NAP
Start	14545	End	15130
GI	6630696	Score	293
Exons	14545..15130		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59194	Strand	+
Start	15962	End	16348
Name	OJ000250_59.0214.C22.o3.gs	Method	GENSCAN
Start	15962	End	16348
GI	none	Score	.72
Exons	15962..16348		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59195	Strand	+
Start	17634	End	19366
Name	OJ000250_59.0214.C22.o4.np	Method	AAT/NAP
Start	17634	End	19366
GI	6063554	Score	308
Exons	17634..17851, 18525..18556, 19193..19366		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59196	Strand	-
Start	13458	End	15681
Name	OJ000250_59.0214.C22.o2.np	Method	AAT/NAP
Start	13458	End	15681
GI	4234846	Score	626
Exons	13458..14531, 15638..15681		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o2.ts	Method	TBLASTX:Soybean
Start	4	End	312
GI	none	Score	261
Exons	4..312, 12..251, 73..306		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o2.tw	Method	TBLASTX:Wheat
Start	4	End	477
GI	none	Score	250
Exons	4..276, 79..252, 271..477, 345..467		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22

Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o3.tm	Method	TBLASTX:Maize
Start	4	End	396
GI	none	Score	282
Exons	4..396, 85..249, 87..281		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o1.ts	Method	TBLASTX:Soybean
Start	330	End	675
GI	none	Score	314
Exons	330..530, 331..675		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o2.tm	Method	TBLASTX:Maize
Start	486	End	825
GI	none	Score	318
Exons	486..824, 487..825		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o1.tw	Method	TBLASTX:Wheat
Start	681	End	14956
GI	none	Score	101
Exons	681..752, 682..756, 771..1157, 772..1119, 14522..14599, 14698..14817, 14699..14956		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o3.ts	Method	TBLASTX:Soybean
Start	688	End	14869
GI	none	Score	91
Exons	688..801, 714..794, 820..1029, 825..950, 14677..14814, 14699..14869		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o4.tm	Method	TBLASTX:Maize
Start	826	End	15094
GI	none	Score	121
Exons	826..1068, 1177..1284, 14543..14695, 14668..14688, 14677..14844, 14678..14854, 14903..15094		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o1.tm	Method	TBLASTX:Maize
Start	13685	End	14530
GI	none	Score	58
Exons	13685..13777, 13727..13777, 13882..13971, 13901..13942,		

14056..14529, 14057..14530

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o4.gs	Method	GENSCAN
Start	17095	End	25207
GI	none	Score	.6
Exons	17095..17431, 17574..18012, 19096..19342, 19714..19794, 21201..21473, 21518..21640, 22036..22192, 22861..22967, 24104..24217, 24813..24895, 25084..25207		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o5.np	Method	AAT/NAP
Start	22256	End	31929
GI	4680204	Score	1022
Exons	22256..22290, 28304..28406, 28757..28976, 29073..29246, 29356..30455, 30530..31929		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o5.gs	Method	GENSCAN
Start	26281	End	27887
GI	none	Score	.66
Exons	26281..26512, 27380..27623, 27686..27887		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o6.gs	Method	GENSCAN
Start	28251	End	31914
GI	none	Score	.67
Exons	28251..28614, 28709..28798, 28866..28976, 29073..29246, 29356..30455, 30530..31212, 31218..31700, 31752..31914		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o4.gp	Method	AAT/GAP
Start	29456	End	29934
GI	uC-osflcyp176f10b1	Score	842
Exons	29456..29934		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	28660	Seq. ID	OJ000250_59.0214.C22
Gene No.	59197	Strand	-
Start	17095	End	31929
Name	OJ000250_59.0214.C22.o3.tw	Method	TBLASTX:Wheat
Start	30878	End	31217
GI	none	Score	64
Exons	30878..30904, 30914..31051, 30917..30991, 31055..31216,		

31068..31217

Seq. No.	28661	Seq. ID	OJ000250_59.0214.C24
Gene No.	59198	Strand	+
Start	245	End	857
Name	OJ000250_59.0214.C24.o1.gp	Method	AAT/GAP
Start	245	End	525
GI	3767699	Score	439
Exons	245..525		

Seq. No.	28661	Seq. ID	OJ000250_59.0214.C24
Gene No.	59198	Strand	+
Start	245	End	857
Name	OJ000250_59.0214.C24.o1.gs	Method	GENSCAN
Start	247	End	788
GI	none	Score	.41
Exons	247..788		

Seq. No.	28661	Seq. ID	OJ000250_59.0214.C24
Gene No.	59198	Strand	+
Start	245	End	857
Name	OJ000250_59.0214.C24.o1.np	Method	AAT/NAP
Start	386	End	857
GI	2244876	Score	317
Exons	386..632, 696..857		
GI Descrip.	(Z97338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28661	Seq. ID	OJ000250_59.0214.C24
Gene No.	59198	Strand	+
Start	245	End	857
Name	OJ000250_59.0214.C24.o1.tw	Method	TBLASTX:Wheat
Start	676	End	850
GI	none	Score	163
Exons	676..849, 677..850, 677..850		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.gp	Method	AAT/GAP
Start	1	End	559
GI	32604_1.R1084	Score	857
Exons	1..304, 418..559		
GI Descrip.	'1708236/sp|P54873|HMCS_ARATH 8.0e-61 HYDROXYMETHYLGLUTARYL-COA SYNTHASE (HMG-COA SYNTHASE) (3-HYDROXY-3-METHYLGLUTARYL COENZYME A SYNTHASE) >gi_2129617_pir__JC4567 hydroxymethylglutaryl-CoA synthase (EC 4.1.3.5) - Arabidopsis thaliana >gi_1143390_emb_CAA58763_ (X83882) hydroxymethylglutaryl-CoA synthase [Arabidopsis thaliana] >gi_1586548_prf__2204245A hydroxy methylglutaryl CoA synt'		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.gs	Method	GENSCAN
Start	113	End	501
GI	none	Score	.78
Exons	113..304, 418..501		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.tm	Method	TBLASTX:Maize
Start	114	End	559
GI	none	Score	40
Exons	114..149, 134..304, 135..305, 415..558, 416..559		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.np	Method	AAT/NAP
Start	116	End	559
GI	4098521	Score	298
Exons	116..304, 418..559		
GI Descrip.	(U79160) HMG-CoA synthase [Arabidopsis thaliana] gi|4098523 (U79161) HMG-CoA synthase [Arabidopsis thaliana] gi|5002517|emb|CAB44320.1| (AL078606) hydroxymethylglutaryl-CoA synthase [Arabidopsis thaliana]		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.ts	Method	TBLASTX:Soybean
Start	137	End	558
GI	none	Score	96
Exons	137..262, 149..307, 156..299, 424..558, 443..553		

Seq. No.	28662	Seq. ID	OJ000250_59.0214.C25
Gene No.	59199	Strand	-
Start	1	End	559
Name	OJ000250_59.0214.C25.o1.tc	Method	TBLASTX:Cress
Start	143	End	558
GI	none	Score	64
Exons	143..217, 147..224, 213..302, 224..307, 419..553, 421..558, 421..558		

Seq. No.	28663	Seq. ID	OJ000250_59.0214.C26
Gene No.	59200	Strand	+
Start	288	End	628
Name	OJ000250_59.0214.C26.o1.gp	Method	AAT/GAP
Start	288	End	537
GI	427888	Score	452
Exons	288..537		

Seq. No.	28663	Seq. ID	OJ000250_59.0214.C26
Gene No.	59200	Strand	+
Start	288	End	628
Name	OJ000250_59.0214.C26.o1.gs	Method	GENSCAN
Start	344	End	628
GI	none	Score	.91
Exons	344..359, 416..628		

Seq. No.	28664	Seq. ID	OJ000250_59.0214.C28
Gene No.	59201	Strand	-
Start	672	End	899

Name	OJ000250_59.0214.C28.o1.gs	Method	GENSCAN
Start	672	End	899
GI	none	Score	.91
Exons	672..899		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.gp	Method	AAT/GAP
Start	38	End	3303
GI	342_1.R1084	Score	5454
Exons	38..553, 663..760, 843..862, 898..3303		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o3.gp	Method	AAT/GAP
Start	207	End	3303
GI	342_1.R1084	Score	5151
Exons	207..553, 663..760, 843..862, 898..3303		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o4.gp	Method	AAT/GAP
Start	210	End	3303
GI	342_1.R1084	Score	5145
Exons	210..553, 663..760, 843..862, 898..3303		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o2.gp	Method	AAT/GAP
Start	216	End	3303
GI	342_1.R1084	Score	5133
Exons	216..553, 663..760, 843..862, 898..3303		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.gs	Method	GENSCAN
Start	970	End	3171
GI	none	Score	.86
Exons	970..2564, 2697..3171		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.tw	Method	TBLASTX:Wheat

Start	1045	End	2362
GI	none	Score	52
Exons	1045..1137, 1046..1111, 1126..1206, 1211..1291, 1219..1359, 1220..1360, 1307..1402, 1339..1398, 1405..1449, 1410..1445, 1444..2361, 1460..2362, 1637..2362		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.np	Method	AAT/NAP
Start	1529	End	3303
GI	6742729	Score	2823
Exons	1529..3303		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.tc	Method	TBLASTX:Cress
Start	1627	End	2078
GI	none	Score	188
Exons	1627..2064, 1627..2070, 1631..2074, 1637..2074, 1896..2078		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o2.tm	Method	TBLASTX:Maize
Start	2005	End	2319
GI	none	Score	66
Exons	2005..2235, 2005..2319, 2033..2308		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o3.tw	Method	TBLASTX:Wheat
Start	2363	End	2773
GI	none	Score	81
Exons	2363..2449, 2365..2454, 2365..2448, 2482..2700, 2522..2704, 2710..2772, 2723..2773		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o1.tm	Method	TBLASTX:Maize
Start	2878	End	3302
GI	none	Score	86
Exons	2878..3072, 3082..3207, 3201..3302		

Seq. No.	28665	Seq. ID	OJ000250_59.0214.C29
Gene No.	59202	Strand	-
Start	38	End	3303
Name	OJ000250_59.0214.C29.o2.tw	Method	TBLASTX:Wheat
Start	2912	End	3301
GI	none	Score	173
Exons	2912..3118, 2912..3121, 2917..3120, 2917..3141, 3121..3207, 3122..3208, 3128..3208, 3222..3296, 3226..3297, 3232..3297, 3233..3301		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59203	Strand	+
Start	1	End	8062
Name	OJ000250_59.0214.C30.o2.np	Method	AAT/NAP
Start	1	End	8062
GI	5042463	Score	116
Exons	1..47, 3417..3573, 7959..8062		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59203	Strand	+
Start	1	End	8062
Name	OJ000250_59.0214.C30.o2.gs	Method	GENSCAN
Start	1465	End	3565
GI	none	Score	.72
Exons	1465..1590, 1899..2246, 3401..3565		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59203	Strand	+
Start	1	End	8062
Name	OJ000250_59.0214.C30.o3.gs	Method	GENSCAN
Start	4088	End	5311
GI	none	Score	.53
Exons	4088..4095, 4807..5311		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59204	Strand	+
Start	20633	End	20833
Name	OJ000250_59.0214.C30.o6.gs	Method	GENSCAN
Start	20633	End	20833
GI	none	Score	.9
Exons	20633..20833		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59205	Strand	+
Start	21979	End	23126
Name	OJ000250_59.0214.C30.o4.np	Method	AAT/NAP
Start	21979	End	23126
GI	5042463	Score	181
Exons	21979..22173, 22839..22993, 23045..23126		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59206	Strand	+
Start	27483	End	28109
Name	OJ000250_59.0214.C30.o9.gs	Method	GENSCAN
Start	27483	End	28109
GI	none	Score	.78
Exons	27483..27585, 27913..28109		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59207	Strand	+
Start	38607	End	39132
Name	OJ000250_59.0214.C30.o12.gs	Method	GENSCAN
Start	38607	End	39132
GI	none	Score	.86

Exons	38607..38697, 38732..39132		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59208	Strand	+
Start	44769	End	44901
Name	OJ000250_59.0214.C30.o4.gp	Method	AAT/GAP
Start	44769	End	44901
GI	LIB3474-009-P1-K1-F11	Score	231
Exons	44769..44901		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59209	Strand	-
Start	1	End	1912
Name	OJ000250_59.0214.C30.o1.gp	Method	AAT/GAP
Start	1	End	1086
GI	2310235	Score	300
Exons	1..22, 500..638, 1049..1086		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59209	Strand	-
Start	1	End	1912
Name	OJ000250_59.0214.C30.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	4680203	Score	591
Exons	1..638, 1872..1912		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59210	Strand	-
Start	13178	End	19430
Name	OJ000250_59.0214.C30.o5.gs	Method	GENSCAN
Start	13178	End	18649
GI	none	Score	.71
Exons	13178..13543, 14375..14655, 16779..16836, 17545..17580, 18470..18649		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59210	Strand	-
Start	13178	End	19430
Name	OJ000250_59.0214.C30.o3.np	Method	AAT/NAP
Start	18409	End	19430
GI	6069646	Score	285
Exons	18409..19430		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59211	Strand	-
Start	24049	End	26766
Name	OJ000250_59.0214.C30.o8.gs	Method	GENSCAN

Start	24049	End	26766
GI	none	Score	.61
Exons	24049..24197, 24637..24659, 24960..25015, 26695..26766		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59212	Strand	-
Start	28333	End	28998
Name	OJ000250_59.0214.C30.o2.gp	Method	AAT/GAP
Start	28239	End	28479
GI	28898_2.R1084	Score	371
Exons	28239..28479		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59212	Strand	-
Start	28333	End	28998
Name	OJ000250_59.0214.C30.o10.gs	Method	GENSCAN
Start	28333	End	28998
GI	none	Score	.76
Exons	28333..28476, 28556..28626, 28650..28998		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59213	Strand	-
Start	33224	End	37621
Name	OJ000250_59.0214.C30.o3.gp	Method	AAT/GAP
Start	32047	End	32102
GI	3759960	Score	62
Exons	32047..32102		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59213	Strand	-
Start	33224	End	37621
Name	OJ000250_59.0214.C30.o11.gs	Method	GENSCAN
Start	33224	End	37621
GI	none	Score	.72
Exons	33224..33243, 36056..36174, 37557..37621		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59214	Strand	-
Start	48350	End	48630
Name	OJ000250_59.0214.C30.o5.gp	Method	AAT/GAP
Start	48350	End	48630
GI	5003778	Score	495
Exons	48350..48630		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o2.tw	Method	TBLASTX:Wheat
Start	3	End	287
GI	none	Score	113
Exons	3..188, 3..197, 4..189, 14..268, 23..196, 180..287		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949

Name	OJ000250_59.0214.C30.o5.tm	Method	TBLASTX:Maize
Start	18616	End	18897
GI	none	Score	103
Exons	18616..18654, 18678..18890, 18679..18897		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o2.ts	Method	TBLASTX:Soybean
Start	40741	End	41331
GI	none	Score	126
Exons	40741..40998, 40748..40996, 40881..41030, 41126..41323, 41128..41331		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o6.tm	Method	TBLASTX:Maize
Start	40744	End	41043
GI	none	Score	108
Exons	40744..41043, 40748..41002		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o2.tc	Method	TBLASTX:Cress
Start	40765	End	41067
GI	none	Score	95
Exons	40765..41067, 40853..41005, 40870..41010		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o1.tw	Method	TBLASTX:Wheat
Start	40825	End	41236
GI	none	Score	188
Exons	40825..41058, 40826..41029, 40846..41061, 41065..41235, 41081..41236		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o2.tm	Method	TBLASTX:Maize
Start	41113	End	41823
GI	none	Score	460
Exons	41113..41676, 41113..41679, 41710..41823, 41711..41818		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o3.tm	Method	TBLASTX:Maize
Start	41827	End	42109
GI	none	Score	298
Exons	41827..42099, 41828..42109, 41834..42109		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-

Start	50340	End	51949
Name	OJ000250_59.0214.C30.o4.tm	Method	TBLASTX:Maize
Start	47658	End	48261
GI	none	Score	94
Exons	47658..47753, 47681..47755, 47683..47754, 47876..47926, 47877..47951, 48018..48119, 48193..48261		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o1.tm	Method	TBLASTX:Maize
Start	49643	End	51945
GI	none	Score	156
Exons	49643..49681, 49790..49927, 49812..49925, 50397..50615, 50401..50619, 50401..50613, 50403..50618, 50710..50970, 50717..50977, 50717..50983, 50988..51026, 51002..51232, 51041..51217, 51058..51231, 51742..51945, 51745..51945		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o1.tc	Method	TBLASTX:Cress
Start	49809	End	50615
GI	none	Score	100
Exons	49809..49919, 49811..49927, 50400..50606, 50403..50615, 50407..50613		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o7.np	Method	AAT/NAP
Start	50340	End	51945
GI	2443887	Score	696
Exons	50340..50612, 50719..51269, 51792..51945		
GI Descrip.	(AC002294) Similar to transcription factor gb|Z46606|1658307 and others [Arabidopsis thaliana]		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o1.ts	Method	TBLASTX:Soybean
Start	50499	End	51226
GI	none	Score	87
Exons	50499..50618, 50502..50618, 50506..50619, 50710..50895, 50717..50872, 51056..51226, 51070..51225		

Seq. No.	28666	Seq. ID	OJ000250_59.0214.C30
Gene No.	59215	Strand	-
Start	50340	End	51949
Name	OJ000250_59.0214.C30.o3.ts	Method	TBLASTX:Soybean
Start	51745	End	51949
GI	none	Score	126
Exons	51745..51945, 51785..51949, 51845..51946		

Seq. No.	28667	Seq. ID	OJ000250_59.0214.C31
Gene No.	59216	Strand	-
Start	1	End	1489

Name	OJ000250_59.0214.C31.o1.np	Method	AAT/NAP
Start	1	End	1489
GI	5734771	Score	395
Exons	1..110, 650..780, 1330..1489		
GI Descrip.	(AC007980) 108 [Arabidopsis thaliana]		

Seq. No.	28667	Seq. ID	OJ000250_59.0214.C31
Gene No.	59216	Strand	-
Start	1	End	1489
Name	OJ000250_59.0214.C31.o1.tm	Method	TBLASTX:Maize
Start	51	End	784
GI	none	Score	85
Exons	51..116, 51..116, 52..117, 58..120, 650..781, 651..782, 662..784		

Seq. No.	28667	Seq. ID	OJ000250_59.0214.C31
Gene No.	59216	Strand	-
Start	1	End	1489
Name	OJ000250_59.0214.C31.o1.ts	Method	TBLASTX:Soybean
Start	51	End	1489
GI	none	Score	74
Exons	51..116, 55..117, 55..120, 650..778, 1328..1489, 1329..1487		

Seq. No.	28667	Seq. ID	OJ000250_59.0214.C31
Gene No.	59216	Strand	-
Start	1	End	1489
Name	OJ000250_59.0214.C31.o1.gs	Method	GENSCAN
Start	650	End	1420
GI	none	Score	.94
Exons	650..780, 1330..1420		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59217	Strand	+
Start	3482	End	3674
Name	OJ000250_59.0214.C32.o2.np	Method	AAT/NAP
Start	3482	End	3674
GI	2244876	Score	65
Exons	3482..3674		
GI Descrip.	(Z97338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59218	Strand	+
Start	5878	End	7397
Name	OJ000250_59.0214.C32.o2.gs	Method	GENSCAN
Start	5878	End	7397
GI	none	Score	.78
Exons	5878..6015, 6403..6610, 7183..7397		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59219	Strand	+
Start	7573	End	8095
Name	OJ000250_59.0214.C32.o1.gp	Method	AAT/GAP
Start	7573	End	8095
GI	none	Score	956
Exons	7573..8095		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59220	Strand	-

Start	1	End	5040
Name	OJ000250_59.0214.C32.o1.np	Method	AAT/NAP
Start	1	End	2995
GI	5734771	Score	424
Exons	1..339, 430..604, 691..765, 2957..2995		
GI Descrip.	(AC007980) 108 [Arabidopsis thaliana]		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59220	Strand	-
Start	1	End	5040
Name	OJ000250_59.0214.C32.o1.gs	Method	GENSCAN
Start	7	End	5040
GI	none	Score	.82
Exons	7..604, 860..931, 1635..1792, 1899..2549, 3278..3590, 3909..4235, 4846..5040		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o1.tc	Method	TBLASTX:Cress
Start	29	End	263
GI	none	Score	180
Exons	29..262, 57..263, 63..263		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o4.tm	Method	TBLASTX:Maize
Start	153	End	772
GI	none	Score	158
Exons	153..284, 155..274, 419..463, 420..455, 440..610, 512..607, 556..618, 690..731, 691..768, 692..772		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o3.np	Method	AAT/NAP
Start	6848	End	12499
GI	2244876	Score	2123
Exons	6848..6874, 8388..8690, 8758..8884, 8979..9226, 9352..9405, 9479..9604, 9698..9865, 9985..10070, 10125..10257, 11177..11277, 11366..11494, 11587..11658, 11743..11922, 12071..12499		
GI Descrip.	(Z97338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o1.tm	Method	TBLASTX:Maize
Start	7683	End	11241
GI	none	Score	46
Exons	7683..7715, 7684..7716, 7758..7820, 7762..7827, 7763..7825, 7839..7859, 7846..7869, 7878..7988, 7892..7942, 8002..8172, 8005..8166, 8009..8173, 8386..8688, 8387..8671, 8388..8693, 8776..8883, 8777..8890, 8778..8894, 8778..8891, 8779..8895, 8954..9229, 8973..9227, 8978..9241, 9346..9408, 9348..9410, 9350..9475, 9350..9409, 9479..9604, 9480..9605, 9695..9859, 9695..9871, 9697..9867, 9720..9875, 9982..10083, 9983..10081,		

10158..10247, 10158..10262, 10165..10272, 11176..11241

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o3.gs	Method	GENSCAN
Start	8008	End	12424
GI	none	Score	.83
Exons	8008..8172, 8388..8687, 8776..8884, 8979..9226, 9352..9405, 9479..9604, 9698..9865, 9985..10080, 10158..10257, 11177..11277, 11384..11494, 11587..11658, 11920..11946, 12038..12424		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o1.ts	Method	TBLASTX:Soybean
Start	8017	End	9608
GI	none	Score	105
Exons	8017..8172, 8029..8172, 8030..8173, 8043..8180, 8374..8496, 8388..8534, 8395..8532, 8531..8653, 8531..8665, 8532..8693, 8533..8694, 8535..8687, 8539..8688, 8774..8884, 8776..8883, 8782..8886, 8966..9145, 8978..9229, 9114..9227, 9346..9408, 9350..9409, 9479..9607, 9480..9608		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o1.tw	Method	TBLASTX:Wheat
Start	8799	End	9534
GI	none	Score	131
Exons	8799..8885, 8800..8886, 8800..8883, 8973..9227, 8976..9227, 8977..9228, 8978..9247, 9346..9408, 9350..9409, 9478..9534, 9479..9532		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o4.ts	Method	TBLASTX:Soybean
Start	9692	End	9875
GI	none	Score	78
Exons	9692..9874, 9695..9871, 9699..9875, 9720..9875		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o2.gp	Method	AAT/GAP
Start	9768	End	11290
GI	LIB3474-011-P1-K1-F11	Score	735
Exons	9768..9865, 9985..10080, 10158..10257, 11177..11290		
GI Descrip.	'2244876/emb|CAB10297.1| 2.0e-49 (Z97338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o3.ts	Method	TBLASTX:Soybean
Start	9997	End	11629

GI	5753642	Score	78
Exons	9997..10083, 9998..10081, 10150..10284, 10158..10256, 11179..11280, 11242..11283, 11384..11497, 11385..11495, 11584..11628, 11585..11629		
GI Descrip.	2244876/emb_CAB10297.1_ 4.0e-67 (Z97338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o3.tm	Method	TBLASTX:Maize
Start	11242	End	11849
GI	none	Score	55
Exons	11242..11277, 11243..11278, 11387..11518, 11388..11495, 11388..11519, 11573..11659, 11584..11661, 11585..11659, 11587..11661, 11743..11847, 11744..11845, 11781..11849		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o3.gp	Method	AAT/GAP
Start	11733	End	12297
GI	uC-osrocyp014g03b1	Score	830
Exons	11733..11946, 12038..12297		
GI Descrip.	'2244876/emb|CAB10297.1| 1.0e-36 (Z97338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o2.tm	Method	TBLASTX:Maize
Start	11850	End	12414
GI	none	Score	74
Exons	11850..11948, 11851..11958, 11852..11974, 12019..12156, 12035..12403, 12038..12400, 12040..12414, 12255..12404		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o2.ts	Method	TBLASTX:Soybean
Start	11879	End	12388
GI	none	Score	71
Exons	11879..11980, 11884..12033, 11891..11980, 12071..12208, 12072..12161, 12114..12209, 12197..12388, 12206..12388		

Seq. No.	28668	Seq. ID	OJ000250_59.0214.C32
Gene No.	59221	Strand	-
Start	6848	End	12499
Name	OJ000250_59.0214.C32.o4.gp	Method	AAT/GAP
Start	12363	End	12499
GI	none	Score	270
Exons	12363..12499		

Seq. No.	28669	Seq. ID	OJ000250_59.0214.C33
Gene No.	59222	Strand	-
Start	1	End	1355
Name	OJ000250_59.0214.C33.o1.gp	Method	AAT/GAP

Start	1	End	102
GI	none	Score	200
Exons	1..102		

Seq. No.	28669	Seq. ID	OJ000250_59.0214.C33
Gene No.	59222	Strand	-
Start	1	End	1355
Name	OJ000250_59.0214.C33.o1.np	Method	AAT/NAP
Start	1	End	1355
GI	2244876	Score	542
Exons	1..150, 200..300, 374..705, 760..937, 1023..1355		
GI Descrip.	(Z97338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28669	Seq. ID	OJ000250_59.0214.C33
Gene No.	59222	Strand	-
Start	1	End	1355
Name	OJ000250_59.0214.C33.o1.gs	Method	GENSCAN
Start	27	End	1331
GI	none	Score	.88
Exons	27..110, 200..300, 392..937, 1023..1331		

Seq. No.	28669	Seq. ID	OJ000250_59.0214.C33
Gene No.	59222	Strand	-
Start	1	End	1355
Name	OJ000250_59.0214.C33.o1.ts	Method	TBLASTX:Soybean
Start	251	End	586
GI	none	Score	102
Exons	251..316, 369..569, 389..586		

Seq. No.	28670	Seq. ID	OJ000250_59.0214.C35
Gene No.	59223	Strand	+
Start	43	End	174
Name	OJ000250_59.0214.C35.o1.gs	Method	GENSCAN
Start	43	End	174
GI	none	Score	.96
Exons	43..174		

Seq. No.	28671	Seq. ID	OJ000250_59.0214.C39
Gene No.	59224	Strand	-
Start	1	End	1208
Name	OJ000250_59.0214.C39.o1.np	Method	AAT/NAP
Start	1	End	1208
GI	4903018	Score	453
Exons	1..461, 1099..1208		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		

Seq. No.	28671	Seq. ID	OJ000250_59.0214.C39
Gene No.	59224	Strand	-
Start	1	End	1208
Name	OJ000250_59.0214.C39.o1.tm	Method	TBLASTX:Maize
Start	2	End	454
GI	none	Score	168
Exons	2..307, 27..305, 399..449, 401..454		

Seq. No.	28671	Seq. ID	OJ000250_59.0214.C39
Gene No.	59224	Strand	-
Start	1	End	1208

Name	OJ000250_59.0214.C39.o1.ts	Method	TBLASTX:Soybean
Start	2	End	355
GI	none	Score	80
Exons	2..355, 186..308		

Seq. No.	28671	Seq. ID	OJ000250_59.0214.C39
Gene No.	59224	Strand	-
Start	1	End	1208
Name	OJ000250_59.0214.C39.o1.gs	Method	GENSCAN
Start	11	End	912
GI	none	Score	.95
Exons	11..516, 531..552, 588..623, 769..912		

Seq. No.	28671	Seq. ID	OJ000250_59.0214.C39
Gene No.	59224	Strand	-
Start	1	End	1208
Name	OJ000250_59.0214.C39.o1.tc	Method	TBLASTX:Cress
Start	155	End	493
GI	none	Score	105
Exons	155..493, 186..323, 399..449		

Seq. No.	28672	Seq. ID	OJ000250_59.0214.C42
Gene No.	59225	Strand	+
Start	263	End	435
Name	OJ000250_59.0214.C42.o1.gs	Method	GENSCAN
Start	263	End	435
GI	none	Score	.48
Exons	263..435		

Seq. No.	28673	Seq. ID	OJ000250_59.0214.C43
Gene No.	59226	Strand	+
Start	1	End	479
Name	OJ000250_59.0214.C43.o1.np	Method	AAT/NAP
Start	1	End	479
GI	6642649	Score	103
Exons	1..32, 125..245, 333..479		
GI Descrip.	(AC012395) putative glucan synthase [Arabidopsis thaliana]		

Seq. No.	28674	Seq. ID	OJ000250_59.0214.C46
Gene No.	59227	Strand	-
Start	6	End	257
Name	OJ000250_59.0214.C46.o1.np	Method	AAT/NAP
Start	6	End	257
GI	862343	Score	118
Exons	6..257		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	28674	Seq. ID	OJ000250_59.0214.C46
Gene No.	59228	Strand	-
Start	280	End	465
Name	OJ000250_59.0214.C46.o1.gs	Method	GENSCAN
Start	280	End	465
GI	none	Score	.96
Exons	280..465		

Seq. No.	28675	Seq. ID	OJ000250_59.0214.C47
Gene No.	59229	Strand	+
Start	537	End	632
Name	OJ000250_59.0214.C47.o1.gs	Method	GENSCAN
Start	537	End	632
GI	none	Score	.76
Exons	537..632		

Seq. No.	28676	Seq. ID	OJ000250_59.0214.C48
Gene No.	59230	Strand	+
Start	1	End	940
Name	OJ000250_59.0214.C48.o2.np	Method	AAT/NAP
Start	1	End	940
GI	4234854	Score	98
Exons	1..71, 825..940		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	28676	Seq. ID	OJ000250_59.0214.C48
Gene No.	59231	Strand	-
Start	1	End	835
Name	OJ000250_59.0214.C48.o1.np	Method	AAT/NAP
Start	1	End	818
GI	4234846	Score	488
Exons	1..818		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	28676	Seq. ID	OJ000250_59.0214.C48
Gene No.	59231	Strand	-
Start	1	End	835
Name	OJ000250_59.0214.C48.o1.tm	Method	TBLASTX:Maize
Start	2	End	835
GI	none	Score	56
Exons	2..82, 20..82, 187..276, 206..247, 361..834, 362..835		

Seq. No.	28676	Seq. ID	OJ000250_59.0214.C48
Gene No.	59231	Strand	-
Start	1	End	835
Name	OJ000250_59.0214.C48.o1.gs	Method	GENSCAN
Start	186	End	822
GI	none	Score	.82
Exons	186..356, 603..822		

Seq. No.	28677	Seq. ID	OJ000250_59.0214.C49
Gene No.	59232	Strand	+
Start	188	End	708
Name	OJ000250_59.0214.C49.o1.np	Method	AAT/NAP
Start	188	End	708
GI	2126852	Score	135
Exons	188..220, 327..708		
GI Descrip.	DNA (cytosine-5-)-methyltransferase (EC 2.1.1.37) - Bacillus stearothermophilus gi|2126853|pir||S68583 DNA (cytosine-5-)-methyltransferase (EC 2.1.1.37) - Bacillus stearothermophilus gi|967022|emb|CAA62381| (X90873) DNA (cytosine-5-)-methyltransferase [Bacillus stearothermophilus] gi|1262297 (U51733) m5C-multispecific methyltransferase [Bacillus stearothermophilus] gi|15896		

Seq. No.	28677	Seq. ID	OJ000250_59.0214.C49
Gene No.	59233	Strand	-
Start	179	End	451
Name	OJ000250_59.0214.C49.o1.gs	Method	GENSCAN
Start	179	End	451
GI	none	Score	.41
Exons	179..451		

Seq. No.	28678	Seq. ID	OJ000250_58.0214.C3
Gene No.	59234	Strand	+
Start	1	End	418
Name	OJ000250_58.0214.C3.o1.np	Method	AAT/NAP
Start	1	End	418
GI	4416302	Score	433
Exons	1..418		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	28678	Seq. ID	OJ000250_58.0214.C3
Gene No.	59234	Strand	+
Start	1	End	418
Name	OJ000250_58.0214.C3.o1.tm	Method	TBLASTX:Maize
Start	17	End	409
GI	none	Score	87
Exons	17..82, 22..84, 145..387, 161..409		

Seq. No.	28678	Seq. ID	OJ000250_58.0214.C3
Gene No.	59234	Strand	+
Start	1	End	418
Name	OJ000250_58.0214.C3.o1.ts	Method	TBLASTX:Soybean
Start	191	End	400
GI	none	Score	198
Exons	191..400, 208..390		

Seq. No.	28678	Seq. ID	OJ000250_58.0214.C3
Gene No.	59234	Strand	+
Start	1	End	418
Name	OJ000250_58.0214.C3.o1.tw	Method	TBLASTX:Wheat
Start	250	End	409
GI	none	Score	227
Exons	250..402, 251..409, 257..403, 309..404		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.gs	Method	GENSCAN
Start	6236	End	9199
GI	none	Score	.7
Exons	6236..6307, 6716..8736, 8854..9199		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.np	Method	AAT/NAP
Start	6698	End	9259
GI	4388818	Score	2083
Exons	6698..9259		

GI Descrip. (AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	6702	End	7129
GI	none	Score	345
Exons	6702..7127, 6710..7129		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o3.ts	Method	TBLASTX:Soybean
Start	6705	End	7105
GI	none	Score	64
Exons	6705..6806, 6713..6820, 6822..7103, 6830..7105		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o3.tc	Method	TBLASTX:Cress
Start	6710	End	7183
GI	none	Score	79
Exons	6710..6916, 6932..7066, 7076..7183		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o4.tw	Method	TBLASTX:Wheat
Start	6731	End	7166
GI	none	Score	67
Exons	6731..6931, 6747..6932, 6950..7153, 6975..7166		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.tm	Method	TBLASTX:Maize
Start	7185	End	7631
GI	none	Score	194
Exons	7185..7496, 7190..7495, 7469..7630, 7520..7609, 7539..7631		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.tw	Method	TBLASTX:Wheat
Start	7280	End	7900
GI	none	Score	49
Exons	7280..7714, 7311..7463, 7524..7658, 7751..7900		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o3.tm	Method	TBLASTX:Maize
Start	7634	End	8065
GI	none	Score	62

Exons	7634..8062, 7767..7907, 7964..8065		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.gp	Method	AAT/GAP
Start	7661	End	7903
GI	1621494	Score	430
Exons	7661..7903		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	7745	End	8212
GI	5509260	Score	77
Exons	7745..8062, 7767..7907, 7986..8063, 8090..8212		
GI Descrip.	-		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.tc	Method	TBLASTX:Cress
Start	7856	End	8062
GI	none	Score	80
Exons	7856..8059, 7856..8062		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	7903	End	8340
GI	none	Score	381
Exons	7903..8316, 7904..8338, 7904..8338, 7959..8339, 8152..8340		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o1.tc	Method	TBLASTX:Cress
Start	8519	End	8986
GI	none	Score	167
Exons	8519..8677, 8693..8986		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.ts	Method	TBLASTX:Soybean
Start	8552	End	9004
GI	none	Score	126
Exons	8552..8689, 8675..9004, 8745..8975, 8750..8995		
Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o4.tm	Method	TBLASTX:Maize

Start	8615	End	9019
GI	none	Score	138
Exons	8615..8680, 8696..9019, 8700..9017		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o3.tw	Method	TBLASTX:Wheat
Start	8627	End	9193
GI	none	Score	120
Exons	8627..8677, 8694..8774, 8774..9193, 8814..9176		

Seq. No.	28679	Seq. ID	OJ000250_58.0214.C4
Gene No.	59235	Strand	-
Start	6236	End	9259
Name	OJ000250_58.0214.C4.o2.gp	Method	AAT/GAP
Start	8951	End	9259
GI	2428449	Score	562
Exons	8951..9259		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	28680	Seq. ID	OJ000250_58.0214.C5
Gene No.	59236	Strand	-
Start	140	End	417
Name	OJ000250_58.0214.C5.o1.gp	Method	AAT/GAP
Start	140	End	417
GI	4107133	Score	501
Exons	140..417		

Seq. No.	28680	Seq. ID	OJ000250_58.0214.C5
Gene No.	59236	Strand	-
Start	140	End	417
Name	OJ000250_58.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	201	End	417
GI	none	Score	246
Exons	201..413, 208..417, 209..412, 249..413		

Seq. No.	28680	Seq. ID	OJ000250_58.0214.C5
Gene No.	59236	Strand	-
Start	140	End	417
Name	OJ000250_58.0214.C5.o1.gs	Method	GENSCAN
Start	268	End	352
GI	none	Score	.49
Exons	268..352		

Seq. No.	28681	Seq. ID	OJ000250_58.0214.C8
Gene No.	59237	Strand	-
Start	74	End	273
Name	OJ000250_58.0214.C8.o1.gs	Method	GENSCAN
Start	74	End	273
GI	none	Score	.96
Exons	74..273		

Seq. No.	28682	Seq. ID	OJ000250_58.0214.C11
Gene No.	59238	Strand	

Start	1	End	265
Name	OJ000250_58.0214.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	265
GI	none	Score	77
Exons	1..54, 2..55, 134..265, 156..257		

Seq. No.	28683	Seq. ID	OJ000250_58.0214.C12
Gene No.	59239	Strand	
Start	334	End	656
Name	OJ000250_58.0214.C12.o1.tm	Method	TBLASTX:Maize
Start	334	End	656
GI	none	Score	124
Exons	334..444, 338..442, 538..654, 543..650, 552..656, 553..654		

Seq. No.	28684	Seq. ID	OJ000250_58.0214.C14
Gene No.	59240	Strand	+
Start	12385	End	13062
Name	OJ000250_58.0214.C14.o2.np	Method	AAT/NAP
Start	12385	End	13062
GI	6907086	Score	728
Exons	12385..13062		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28684	Seq. ID	OJ000250_58.0214.C14
Gene No.	59241	Strand	-
Start	257	End	9943
Name	OJ000250_58.0214.C14.o1.gp	Method	AAT/GAP
Start	257	End	384
GI	2428449	Score	215
Exons	257..384		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	28684	Seq. ID	OJ000250_58.0214.C14
Gene No.	59241	Strand	-
Start	257	End	9943
Name	OJ000250_58.0214.C14.o1.gs	Method	GENSCAN
Start	257	End	9943
GI	none	Score	.43
Exons	257..1176, 1529..1714, 1764..1896, 1951..2191, 2656..2726, 3432..3555, 4394..4510, 5732..5818, 6263..6389, 9877..9943		

Seq. No.	28684	Seq. ID	OJ000250_58.0214.C14
Gene No.	59241	Strand	-
Start	257	End	9943
Name	OJ000250_58.0214.C14.o1.tw	Method	TBLASTX:Wheat
Start	926	End	1351
GI	none	Score	45
Exons	926..970, 936..971, 997..1092, 1058..1117, 1109..1219, 1110..1202, 1115..1216, 1199..1351, 1209..1331		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59242	Strand	+
Start	1	End	5124
Name	OJ000250_58.0214.C15.o1.np	Method	AAT/NAP
Start	1	End	3884

GI	4680186	Score	320
Exons	1..93, 1193..1363, 1965..2142, 3865..3884		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59242	Strand	+
Start	1	End	5124
Name	OJ000250_58.0214.C15.o1.gs	Method	GENSCAN
Start	9	End	1288
GI	none	Score	.92
Exons	9..132, 1200..1288		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59242	Strand	+
Start	1	End	5124
Name	OJ000250_58.0214.C15.o2.np	Method	AAT/NAP
Start	1734	End	5124
GI	6069653	Score	601
Exons	1734..1764, 3316..3999, 4140..5124		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59242	Strand	+
Start	1	End	5124
Name	OJ000250_58.0214.C15.o3.np	Method	AAT/NAP
Start	1958	End	5124
GI	6069653	Score	601
Exons	1958..2062, 3311..3999, 4140..5124		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59243	Strand	+
Start	11148	End	11800
Name	OJ000250_58.0214.C15.o5.gs	Method	GENSCAN
Start	11148	End	11800
GI	none	Score	.47
Exons	11148..11265, 11430..11800		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59244	Strand	-
Start	3171	End	3638
Name	OJ000250_58.0214.C15.o2.gs	Method	GENSCAN
Start	3171	End	3638
GI	none	Score	.68
Exons	3171..3638		

Seq. No.	28685	Seq. ID	OJ000250_58.0214.C15
Gene No.	59245	Strand	-
Start	10358	End	12558
Name	OJ000250_58.0214.C15.o4.np	Method	AAT/NAP
Start	10358	End	12558
GI	5777623	Score	1118
Exons	10358..10595, 11425..11943, 12123..12256, 12504..12558		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59246	Strand	+

Start	15529	End	17671
Name	OJ000250_58.0214.C16.o4.gs	Method	GENSCAN
Start	15529	End	17671
GI	none	Score	.45
Exons	15529..15672, 17549..17671		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59247	Strand	+
Start	25328	End	25579
Name	OJ000250_58.0214.C16.o1.gp	Method	AAT/GAP
Start	25328	End	25579
GI	61605_3.R1084	Score	427
Exons	25328..25579		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59248	Strand	+
Start	30579	End	38208
Name	OJ000250_58.0214.C16.o2.np	Method	AAT/NAP
Start	29625	End	38208
GI	5902444	Score	251
Exons	29625..29689, 30354..30851, 38186..38208		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59248	Strand	+
Start	30579	End	38208
Name	OJ000250_58.0214.C16.o7.gs	Method	GENSCAN
Start	30579	End	30863
GI	none	Score	.59
Exons	30579..30686, 30705..30863		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59248	Strand	+
Start	30579	End	38208
Name	OJ000250_58.0214.C16.o9.gs	Method	GENSCAN
Start	35441	End	38028
GI	none	Score	.5
Exons	35441..35646, 35682..35998, 36058..36566, 36858..36962, 37425..37545, 37871..38028		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59249	Strand	+
Start	45273	End	48145
Name	OJ000250_58.0214.C16.o11.gs	Method	GENSCAN
Start	45273	End	48145
GI	none	Score	.6
Exons	45273..45500, 47102..47198, 47576..47604, 47900..48145		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59250	Strand	-
Start	25952	End	29890
Name	OJ000250_58.0214.C16.o1.np	Method	AAT/NAP
Start	25952	End	29890
GI	6063554	Score	472
Exons	25952..26126, 26765..26792, 27130..27349, 27467..27768,		

29839..29890
GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59251	Strand	-
Start	31706	End	33200
Name	OJ000250_58.0214.C16.o8.gs	Method	GENSCAN
Start	31706	End	33200
GI	none	Score	.54
Exons	31706..31803, 31819..31930, 32523..32607, 33190..33200		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59252	Strand	-
Start	38935	End	40944
Name	OJ000250_58.0214.C16.o10.gs	Method	GENSCAN
Start	38935	End	40944
GI	none	Score	.66
Exons	38935..39045, 39587..39631, 40831..40944		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o12.gs	Method	GENSCAN
Start	48895	End	52288
GI	none	Score	.74
Exons	48895..49161, 49433..49461, 50064..50212, 50314..50340, 50572..50618, 50774..50863, 50985..51041, 51150..51245, 51274..51440, 51582..51639, 51713..51799, 52107..52154, 52232..52288		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o3.gp	Method	AAT/GAP
Start	49837	End	49993
GI	6025146	Score	239
Exons	49837..49993		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o3.np	Method	AAT/NAP
Start	50740	End	52621
GI	2052383	Score	517
Exons	50740..50863, 50985..51041, 51150..51245, 51373..51440, 51582..51639, 51713..51799, 52107..52154, 52232..52621		
GI Descrip.	(U66345) calreticulin [Arabidopsis thaliana]		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o4.gp	Method	AAT/GAP
Start	50789	End	51829
GI	LIB3431-023-P1-K1-D1	Score	764
Exons	50789..50863, 50985..51041, 51150..51245, 51373..51440,		

51582..51639, 51713..51829
GI Descrip. '2052383 3.0e-39 (U66345) calreticulin [Arabidopsis thaliana]'

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o1.tc	Method	TBLASTX:Cress
Start	51150	End	52291
GI	none	Score	58
Exons	51150..51248, 51208..51249, 51370..51486, 51371..51442, 51574..51639, 51581..51640, 51582..51641, 51583..51642, 51713..51802, 51719..51772, 51720..51773, 52232..52291		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o1.tm	Method	TBLASTX:Maize
Start	51150	End	52291
GI	none	Score	70
Exons	51150..51248, 51156..51248, 51200..51250, 51334..51438, 51370..51486, 51371..51442, 51574..51636, 51581..51640, 51582..51641, 51583..51642, 51584..51637, 51712..51801, 51713..51802, 51714..51773, 51714..51806, 51715..51801, 51719..51772, 52090..52155, 52096..52155, 52222..52284, 52231..52281, 52232..52291		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o1.ts	Method	TBLASTX:Soybean
Start	51162	End	52291
GI	none	Score	71
Exons	51162..51248, 51175..51249, 51200..51250, 51370..51486, 51371..51442, 51574..51639, 51583..51642, 51584..51640, 51713..51802, 51719..51772, 51720..51773, 52111..52155, 52223..52282, 52232..52291		

Seq. No.	28686	Seq. ID	OJ000250_58.0214.C16
Gene No.	59253	Strand	-
Start	48895	End	52621
Name	OJ000250_58.0214.C16.o5.gp	Method	AAT/GAP
Start	51807	End	52290
GI	LIB3474-008-P1-K1-B1	Score	715
Exons	51807..52154, 52232..52290		
GI Descrip.	'2052383 5.0e-23 (U66345) calreticulin [Arabidopsis thaliana]'		

Seq. No.	28687	Seq. ID	OJ000250_58.0214.C17
Gene No.	59254	Strand	-
Start	325	End	456
Name	OJ000250_58.0214.C17.o1.gs	Method	GENSCAN
Start	325	End	456
GI	none	Score	.52
Exons	325..456		

Seq. No.	28687	Seq. ID	OJ000250_58.0214.C17
Gene No.	59255	Strand	
Start	377	End	626

Name	OJ000250_58.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	377	End	626
GI	none	Score	189
Exons	377..550, 384..560, 481..573,	540..626,	565..621

Seq. No.	28688	Seq. ID	OJ000250_58.0214.C18
Gene No.	59256	Strand	+
Start	1	End	662
Name	OJ000250_58.0214.C18.o1.np	Method	AAT/NAP
Start	1	End	662
GI	4680338	Score	137
Exons	1..135, 387..662		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	28688	Seq. ID	OJ000250_58.0214.C18
Gene No.	59256	Strand	+
Start	1	End	662
Name	OJ000250_58.0214.C18.o1.gs	Method	GENSCAN
Start	291	End	623
GI	none	Score	.8
Exons	291..302, 358..623		

Seq. No.	28689	Seq. ID	OJ000250_58.0214.C21
Gene No.	59257	Strand	+
Start	1	End	493
Name	OJ000250_58.0214.C21.o1.np	Method	AAT/NAP
Start	1	End	493
GI	5902448	Score	872
Exons	1..493		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	28690	Seq. ID	OJ000250_58.0214.C25
Gene No.	59258	Strand	+
Start	1	End	355
Name	OJ000250_58.0214.C25.o1.np	Method	AAT/NAP
Start	1	End	355
GI	2642158	Score	121
Exons	1..355		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28690	Seq. ID	OJ000250_58.0214.C25
Gene No.	59258	Strand	+
Start	1	End	355
Name	OJ000250_58.0214.C25.o1.gs	Method	GENSCAN
Start	10	End	247
GI	none	Score	.65
Exons	10..247		

Seq. No.	28691	Seq. ID	OJ000250_58.0214.C26
Gene No.	59259	Strand	+
Start	465	End	632
Name	OJ000250_58.0214.C26.o1.gs	Method	GENSCAN
Start	465	End	632
GI	none	Score	.99
Exons	465..632		

Seq. No.	28691	Seq. ID	OJ000250_58.0214.C26

Gene No.	59260	Strand	-
Start	448	End	661
Name	OJ000250_58.0214.C26.o1.np	Method	AAT/NAP
Start	448	End	661
GI	3914375	Score	200
Exons	448..661		
GI Descrip.	1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE (1-AGP ACYLTRANSFERASE) (1-AGPAT) (LYSOPHOSPHATIDIC ACID ACYLTRANSFERASE) (LPAAT) gi|1209507 (U32988) lysophosphatidic acid acyltransferase [Limnanthes alba]		

Seq. No.	28692	Seq. ID	OJ000250_58.0214.C29
Gene No.	59261	Strand	-
Start	53	End	228
Name	OJ000250_58.0214.C29.o1.gs	Method	GENSCAN
Start	53	End	228
GI	none	Score	.86
Exons	53..228		

Seq. No.	28693	Seq. ID	OJ000250_58.0214.C33
Gene No.	59262	Strand	-
Start	1	End	365
Name	OJ000250_58.0214.C33.o1.np	Method	AAT/NAP
Start	1	End	365
GI	1911166	Score	190
Exons	1..217, 324..365		
GI Descrip.	(X94400) soluble-starch-synthase [Solanum tuberosum]		

Seq. No.	28693	Seq. ID	OJ000250_58.0214.C33
Gene No.	59262	Strand	-
Start	1	End	365
Name	OJ000250_58.0214.C33.o1.tc	Method	TBLASTX:Cress
Start	83	End	365
GI	none	Score	82
Exons	83..217, 87..218, 103..222, 312..365, 322..363		

Seq. No.	28693	Seq. ID	OJ000250_58.0214.C33
Gene No.	59262	Strand	-
Start	1	End	365
Name	OJ000250_58.0214.C33.o1.tm	Method	TBLASTX:Maize
Start	83	End	365
GI	none	Score	188
Exons	83..217, 87..218, 136..225, 312..365, 322..363, 323..364		

Seq. No.	28693	Seq. ID	OJ000250_58.0214.C33
Gene No.	59262	Strand	-
Start	1	End	365
Name	OJ000250_58.0214.C33.o1.ts	Method	TBLASTX:Soybean
Start	83	End	365
GI	none	Score	188
Exons	83..217, 87..218, 87..218, 136..225, 312..365, 322..363, 323..364		

Seq. No.	28693	Seq. ID	OJ000250_58.0214.C33
Gene No.	59262	Strand	-
Start	1	End	365
Name	OJ000250_58.0214.C33.o1.gs	Method	GENSCAN

Start	86	End	217
GI	none	Score	.96
Exons	86..217		

Seq. No.	28694	Seq. ID	OJ000250_58.0214.C34
Gene No.	59263	Strand	-
Start	164	End	561
Name	OJ000250_58.0214.C34.o1.gs	Method	GENSCAN
Start	164	End	561
GI	none	Score	.74
Exons	164..327, 406..561		

Seq. No.	28695	Seq. ID	OJ000250_58.0214.C35
Gene No.	59264	Strand	-
Start	305	End	613
Name	OJ000250_58.0214.C35.o1.gs	Method	GENSCAN
Start	305	End	613
GI	none	Score	.61
Exons	305..613		

Seq. No.	28696	Seq. ID	OJ000250_58.0214.C36
Gene No.	59265	Strand	
Start	1	End	294
Name	OJ000250_58.0214.C36.o1.ts	Method	TBLASTX:Soybean
Start	1	End	294
GI	none	Score	77
Exons	1..207, 31..162, 32..205, 172..294, 196..294, 209..292, 223..294		

Seq. No.	28696	Seq. ID	OJ000250_58.0214.C36
Gene No.	59265	Strand	
Start	1	End	294
Name	OJ000250_58.0214.C36.o1.tc	Method	TBLASTX:Cress
Start	4	End	292
GI	none	Score	152
Exons	4..207, 5..208, 196..291, 209..292		

Seq. No.	28697	Seq. ID	OJ000250_58.0214.C38
Gene No.	59266	Strand	+
Start	1	End	204
Name	OJ000250_58.0214.C38.o1.np	Method	AAT/NAP
Start	1	End	204
GI	4416302	Score	218
Exons	1..204		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	28697	Seq. ID	OJ000250_58.0214.C38
Gene No.	59266	Strand	+
Start	1	End	204
Name	OJ000250_58.0214.C38.o1.tm	Method	TBLASTX:Maize
Start	5	End	204
GI	none	Score	234
Exons	5..202, 11..202, 13..204		

Seq. No.	28698	Seq. ID	OJ000250_58.0214.C39
Gene No.	59267	Strand	+
Start	1	End	575
Name	OJ000250_58.0214.C39.o1.gp	Method	AAT/GAP

Start	1	End	167
GI	9093_1.R1084	Score	304
Exons	1..167		
GI Descrip.	'4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	28698	Seq. ID	OJ000250_58.0214.C39
Gene No.	59267	Strand	+
Start	1	End	575
Name	OJ000250_58.0214.C39.o1.gs	Method	GENSCAN
Start	63	End	575
GI	none	Score	.84
Exons	63..164, 269..322, 486..575		

Seq. No.	28699	Seq. ID	OJ000250_58.0214.C42
Gene No.	59268	Strand	+
Start	1	End	668
Name	OJ000250_58.0214.C42.o1.np	Method	AAT/NAP
Start	1	End	668
GI	4455224	Score	407
Exons	1..254, 286..668		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28699	Seq. ID	OJ000250_58.0214.C42
Gene No.	59268	Strand	+
Start	1	End	668
Name	OJ000250_58.0214.C42.o1.gs	Method	GENSCAN
Start	99	End	641
GI	none	Score	.59
Exons	99..641		

Seq. No.	28700	Seq. ID	OJ000250_58.0214.C43
Gene No.	59269	Strand	-
Start	242	End	322
Name	OJ000250_58.0214.C43.o1.gs	Method	GENSCAN
Start	242	End	322
GI	none	Score	.82
Exons	242..322		

Seq. No.	28700	Seq. ID	OJ000250_58.0214.C43
Gene No.	59270	Strand	-
Start	344	End	554
Name	OJ000250_58.0214.C43.o1.gp	Method	AAT/GAP
Start	344	End	554
GI	LIB3479-005-Q6-K1-D11	Score	382
Exons	344..554		
GI Descrip.	'4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	28701	Seq. ID	OJ000250_58.0214.C44
Gene No.	59271	Strand	-
Start	167	End	296
Name	OJ000250_58.0214.C44.o1.gs	Method	GENSCAN

Start	167	End	296
GI	none	Score	.44
Exons	167..296		

Seq. No.	28702	Seq. ID	OJ000250_58.0214.C45
Gene No.	59272	Strand	+
Start	191	End	321
Name	OJ000250_58.0214.C45.o1.gs	Method	GENSCAN
Start	191	End	321
GI	none	Score	.72
Exons	191..321		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59273	Strand	+
Start	1	End	167
Name	OJ000250_58.0214.C49.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	uC-osflcyp115h04a1	Score	330
Exons	1..167		
GI Descrip.	'4680338/gb|AAD27629.1|AF128457_3 2.0e-22 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o1.np	Method	AAT/NAP
Start	1	End	670
GI	6862923	Score	448
Exons	1..670		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o1.tm	Method	TBLASTX:Maize
Start	1	End	618
GI	none	Score	55
Exons	1..168, 2..79, 143..166, 199..417, 200..394, 493..618		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o1.tw	Method	TBLASTX:Wheat
Start	1	End	273
GI	none	Score	89
Exons	1..162, 199..273		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	594
GI	none	Score	69
Exons	1..147, 1..168, 2..166, 197..406, 199..426, 199..498, 493..594		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-

Start	1	End	670
Name	OJ000250_58.0214.C49.o1.gs	Method	GENSCAN
Start	143	End	624
GI	none	Score	.84
Exons	143..624		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o1.tc	Method	TBLASTX:Cress
Start	197	End	438
GI	none	Score	119
Exons	197..406, 199..438		

Seq. No.	28703	Seq. ID	OJ000250_58.0214.C49
Gene No.	59274	Strand	-
Start	1	End	670
Name	OJ000250_58.0214.C49.o2.tw	Method	TBLASTX:Wheat
Start	301	End	591
GI	none	Score	83
Exons	301..438, 302..403, 318..443, 487..591		

Seq. No.	28704	Seq. ID	OJ000250_58.0214.C50
Gene No.	59275	Strand	+
Start	21	End	1235
Name	OJ000250_58.0214.C50.o1.gp	Method	AAT/GAP
Start	21	End	1235
GI	uC-osf1M202016g08b1	Score	498
Exons	21..131, 1082..1235		
GI Descrip.	'3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]'		

Seq. No.	28705	Seq. ID	OJ000250_58.0214.C52
Gene No.	59276	Strand	+
Start	1	End	377
Name	OJ000250_58.0214.C52.o1.gp	Method	AAT/GAP
Start	1	End	377
GI	LIB3431-045-P1-N1-A10	Score	746
Exons	1..377		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	28705	Seq. ID	OJ000250_58.0214.C52
Gene No.	59277	Strand	-
Start	22	End	135
Name	OJ000250_58.0214.C52.o1.gs	Method	GENSCAN
Start	22	End	135
GI	none	Score	.75
Exons	22..135		

Seq. No.	28706	Seq. ID	OJ000250_58.0214.C53
Gene No.	59278	Strand	-
Start	1	End	672
Name	OJ000250_58.0214.C53.o1.np	Method	AAT/NAP
Start	1	End	672
GI	4455224	Score	183
Exons	1..395, 632..672		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28707	Seq. ID	OJ000250_58.0214.C54
Gene No.	59279	Strand	-
Start	1	End	441
Name	OJ000250_58.0214.C54.o1.np	Method	AAT/NAP
Start	1	End	441
GI	4455224	Score	136
Exons	1..175, 262..441		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28708	Seq. ID	OJ000250_58.0214.C56
Gene No.	59280	Strand	+
Start	1	End	467
Name	OJ000250_58.0214.C56.o1.np	Method	AAT/NAP
Start	1	End	467
GI	4455224	Score	115
Exons	1..467		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	28709	Seq. ID	OJ000250_58.0214.C57
Gene No.	59281	Strand	-
Start	141	End	428
Name	OJ000250_58.0214.C57.o1.gs	Method	GENSCAN
Start	141	End	428
GI	none	Score	.57
Exons	141..428		

Seq. No.	28710	Seq. ID	OJ000250_58.0214.C58
Gene No.	59282	Strand	+
Start	21	End	650
Name	OJ000250_58.0214.C58.o1.gs	Method	GENSCAN
Start	21	End	615
GI	none	Score	.46
Exons	21..615		

Seq. No.	28710	Seq. ID	OJ000250_58.0214.C58
Gene No.	59282	Strand	+
Start	21	End	650
Name	OJ000250_58.0214.C58.o1.np	Method	AAT/NAP
Start	123	End	650
GI	5441880	Score	885
Exons	123..650		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28711	Seq. ID	OJ000250_58.0214.C59
Gene No.	59283	Strand	-
Start	75	End	478
Name	OJ000250_58.0214.C59.o1.gs	Method	GENSCAN
Start	75	End	478
GI	none	Score	.98
Exons	75..478		

Seq. No.	28712	Seq. ID	OJ000250_58.0214.C60
Gene No.	59284	Strand	+
Start	1	End	757

Name	OJ000250_58.0214.C60.o1.np	Method	AAT/NAP
Start	1	End	757
GI	5902444	Score	1290
Exons	1..757		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28712	Seq. ID	OJ000250_58.0214.C60
Gene No.	59284	Strand	+
Start	1	End	757
Name	OJ000250_58.0214.C60.o1.gs	Method	GENSCAN
Start	115	End	657
GI	none	Score	.61
Exons	115..657		

Seq. No.	28712	Seq. ID	OJ000250_58.0214.C60
Gene No.	59284	Strand	+
Start	1	End	757
Name	OJ000250_58.0214.C60.o1.tw	Method	TBLASTX:Wheat
Start	367	End	753
GI	none	Score	264
Exons	367..753, 508..669, 627..752		

Seq. No.	28713	Seq. ID	OJ000250_58.0214.C61
Gene No.	59285	Strand	+
Start	137	End	216
Name	OJ000250_58.0214.C61.o1.gs	Method	GENSCAN
Start	137	End	216
GI	none	Score	.57
Exons	137..216		

Seq. No.	28714	Seq. ID	OJ000250_58.0214.C62
Gene No.	59286	Strand	-
Start	198	End	420
Name	OJ000250_58.0214.C62.o1.ts	Method	TBLASTX:Soybean
Start	177	End	414
GI	none	Score	71
Exons	177..413, 256..414		

Seq. No.	28714	Seq. ID	OJ000250_58.0214.C62
Gene No.	59286	Strand	-
Start	198	End	420
Name	OJ000250_58.0214.C62.o1.np	Method	AAT/NAP
Start	198	End	420
GI	6227007	Score	177
Exons	198..420		
GI Descrip.	(AC009360) EST gb|T44882 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28714	Seq. ID	OJ000250_58.0214.C62
Gene No.	59286	Strand	-
Start	198	End	420
Name	OJ000250_58.0214.C62.o1.gs	Method	GENSCAN
Start	213	End	368
GI	none	Score	.97
Exons	213..368		

Seq. No.	28714	Seq. ID	OJ000250_58.0214.C62

Gene No.	59286	Strand	-
Start	198	End	420
Name	OJ000250_58.0214.C62.o1.tm	Method	TBLASTX:Maize
Start	246	End	420
GI	none	Score	174
Exons	246..419, 256..420		

Seq. No.	28715	Seq. ID	OJ000250_56.0214.C1
Gene No.	59287	Strand	+
Start	1	End	699
Name	OJ000250_56.0214.C1.o1.np	Method	AAT/NAP
Start	1	End	699
GI	5902445	Score	516
Exons	1..699		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28715	Seq. ID	OJ000250_56.0214.C1
Gene No.	59287	Strand	+
Start	1	End	699
Name	OJ000250_56.0214.C1.o1.tw	Method	TBLASTX:Wheat
Start	228	End	636
GI	none	Score	205
Exons	228..455, 229..453, 463..636		

Seq. No.	28715	Seq. ID	OJ000250_56.0214.C1
Gene No.	59287	Strand	+
Start	1	End	699
Name	OJ000250_56.0214.C1.o1.gs	Method	GENSCAN
Start	250	End	629
GI	none	Score	.82
Exons	250..629		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59288	Strand	+
Start	387	End	1988
Name	OJ000250_56.0214.C4.o1.gs	Method	GENSCAN
Start	387	End	1988
GI	none	Score	.41
Exons	387..471, 1590..1624, 1722..1988		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59289	Strand	+
Start	6547	End	6741
Name	OJ000250_56.0214.C4.o3.gs	Method	GENSCAN
Start	6547	End	6741
GI	none	Score	.61
Exons	6547..6741		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o2.gs	Method	GENSCAN
Start	2819	End	4714
GI	none	Score	.58
Exons	2819..3045, 3113..3414, 4497..4714		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4

Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o1.gp	Method	AAT/GAP
Start	4373	End	4917
GI	426981	Score	408
Exons	4373..4406, 4497..4745, 4850..4917		
GI Descrip.	3914140/sp|O65091|NLT5_ORYSA 1.0e-27 NONSPECIFIC LIPID-TRANSFER PROTEIN 5 PRECURSOR (LTP 5) >gi_3172343 (AF051369) lipid transfer protein [Oryza sativa]		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o1.np	Method	AAT/NAP
Start	4490	End	4834
GI	3914140	Score	304
Exons	4490..4834		
GI Descrip.	NONSPECIFIC LIPID-TRANSFER PROTEIN 5 PRECURSOR (LTP 5) gi|3172343 (AF051369) lipid transfer protein [Oryza sativa]		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	4496	End	4741
GI	none	Score	120
Exons	4496..4639, 4497..4661, 4640..4741, 4641..4727		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	4496	End	4720
GI	none	Score	121
Exons	4496..4663, 4497..4643, 4637..4720, 4641..4709		

Seq. No.	28716	Seq. ID	OJ000250_56.0214.C4
Gene No.	59290	Strand	-
Start	2819	End	4917
Name	OJ000250_56.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	4499	End	4729
GI	none	Score	80
Exons	4499..4648, 4637..4729, 4641..4727		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59291	Strand	+
Start	118	End	5609
Name	OJ000250_56.0214.C5.o1.gs	Method	GENSCAN
Start	118	End	5609
GI	none	Score	.6
Exons	118..363, 878..1432, 5012..5117, 5488..5609		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59291	Strand	+
Start	118	End	5609
Name	OJ000250_56.0214.C5.o3.gp	Method	AAT/GAP
Start	5316	End	5479

GI	4879016	Score	237
Exons	5316..5479		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59292	Strand	+
Start	14722	End	22728
Name	OJ000250_56.0214.C5.o4.gs	Method	GENSCAN
Start	14722	End	19768
GI	none	Score	.7
Exons	14722..14781, 14922..15683, 15888..15969, 16009..16272, 16501..16952, 17198..18249, 18365..18460, 18546..18843, 19084..19451, 19582..19615, 19706..19768		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59292	Strand	+
Start	14722	End	22728
Name	OJ000250_56.0214.C5.o2.np	Method	AAT/NAP
Start	18546	End	22728
GI	4544372	Score	711
Exons	18546..19521, 19582..19900, 20376..20593, 22166..22257, 22541..22728		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59293	Strand	+
Start	26576	End	28879
Name	OJ000250_56.0214.C5.o6.gs	Method	GENSCAN
Start	26576	End	28879
GI	none	Score	.54
Exons	26576..26615, 26823..27028, 27838..28002, 28448..28529, 28794..28879		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59294	Strand	-
Start	668	End	1163
Name	OJ000250_56.0214.C5.o1.gp	Method	AAT/GAP
Start	668	End	1163
GI	none	Score	905
Exons	668..1163		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59295	Strand	-
Start	1178	End	1587
Name	OJ000250_56.0214.C5.o1.np	Method	AAT/NAP
Start	1178	End	1480
GI	3036815	Score	245
Exons	1178..1480		
GI Descrip.	(AL022373) putative auxin-induced protein [Arabidopsis thaliana]		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59295	Strand	-
Start	1178	End	1587
Name	OJ000250_56.0214.C5.o2.gp	Method	AAT/GAP

Start	1188	End	1587
GI	63565_1.R1084	Score	725
Exons	1188..1587		
GI Descrip.	'4490338/emb|CAB38620.1| 9.0e-13 (AL035656) putative auxin-induced protein [Arabidopsis thaliana]'		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59296	Strand	-
Start	5900	End	7841
Name	OJ000250_56.0214.C5.o2.gs	Method	GENSCAN
Start	5900	End	7841
GI	none	Score	.59
Exons	5900..6068, 7633..7841		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59297	Strand	-
Start	9513	End	13975
Name	OJ000250_56.0214.C5.o3.gs	Method	GENSCAN
Start	9513	End	13975
GI	none	Score	.81
Exons	9513..10028, 10705..10852, 11282..11370, 11624..11920, 11926..12509, 12555..12674, 12714..12981, 13011..13181, 13599..13689, 13971..13975		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59298	Strand	-
Start	20253	End	26210
Name	OJ000250_56.0214.C5.o5.gs	Method	GENSCAN
Start	20253	End	26210
GI	none	Score	.42
Exons	20253..20513, 20664..21501, 21585..22018, 22040..23204, 23240..23348, 23577..24774, 24944..24968, 25026..25582, 25670..25831, 26139..26210		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59298	Strand	-
Start	20253	End	26210
Name	OJ000250_56.0214.C5.o4.np	Method	AAT/NAP
Start	20256	End	24777
GI	4680179	Score	5278
Exons	20256..23655, 23689..24777		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59298	Strand	-
Start	20253	End	26210
Name	OJ000250_56.0214.C5.o5.np	Method	AAT/NAP
Start	24013	End	25829
GI	4512231	Score	127
Exons	24013..24045, 25262..25829		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59299	Strand	-
Start	27562	End	29926
Name	OJ000250_56.0214.C5.o6.np	Method	AAT/NAP
Start	27562	End	29926

GI	6815052	Score	369
Exons	27562..27755, 27956..28031, 29165..29303, 29410..29926		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o1.tc	Method	TBLASTX:Cress
Start	1199	End	1453
GI	none	Score	70
Exons	1199..1372, 1218..1376, 1391..1453, 1398..1436		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o3.ts	Method	TBLASTX:Soybean
Start	1199	End	1459
GI	none	Score	65
Exons	1199..1372, 1221..1376, 1382..1459, 1395..1427		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o11.tw	Method	TBLASTX:Wheat
Start	12172	End	12537
GI	none	Score	66
Exons	12172..12351, 12173..12280, 12394..12537		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o6.tm	Method	TBLASTX:Maize
Start	16587	End	24294
GI	none	Score	63
Exons	16587..16748, 23989..24294, 24164..24280		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o5.ts	Method	TBLASTX:Soybean
Start	17867	End	18205
GI	none	Score	188
Exons	17867..18205		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o4.tw	Method	TBLASTX:Wheat
Start	18778	End	22915
GI	none	Score	80
Exons	18778..18834, 18829..19182, 18836..18946, 18837..19139, 18838..19182, 22736..22915		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o5.tm	Method	TBLASTX:Maize

Start	18832	End	22915
GI	none	Score	283
Exons	18832..19050, 18832..19032, 18837..19049, 22736..22915		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o2.tm	Method	TBLASTX:Maize
Start	19051	End	22717
GI	none	Score	537
Exons	19051..19512, 19051..19332, 19200..19511, 22289..22717, 22431..22505, 22587..22715		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	19147	End	22669
GI	none	Score	169
Exons	19147..19479, 22274..22633, 22274..22633, 22637..22669, 22638..22667		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o5.tw	Method	TBLASTX:Wheat
Start	19210	End	22561
GI	none	Score	108
Exons	19210..19488, 19480..19614, 22259..22561, 22275..22550		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o3.tm	Method	TBLASTX:Maize
Start	19660	End	22187
GI	none	Score	82
Exons	19660..19872, 21824..22186, 21833..22186, 21837..22187		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o3.tw	Method	TBLASTX:Wheat
Start	19768	End	22258
GI	none	Score	65
Exons	19768..19872, 21833..22195, 21833..22258, 21837..22226		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o6.tw	Method	TBLASTX:Wheat
Start	20301	End	20634
GI	none	Score	157
Exons	20301..20633, 20365..20634		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799

Name	OJ000250_56.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	20481	End	21080
GI	none	Score	230
Exons	20481..20921, 20497..20919, 20919..21080, 20925..21077		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	20634	End	21260
GI	none	Score	253
Exons	20634..21260, 20635..21204		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o4.tm	Method	TBLASTX:Maize
Start	21129	End	21420
GI	none	Score	205
Exons	21129..21419, 21133..21420		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o2.ts	Method	TBLASTX:Soybean
Start	21219	End	21476
GI	none	Score	137
Exons	21219..21476, 21220..21474		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o2.tc	Method	TBLASTX:Cress
Start	21243	End	21560
GI	none	Score	79
Exons	21243..21386, 21244..21384, 21387..21560		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	21267	End	21806
GI	none	Score	258
Exons	21267..21605, 21268..21606, 21602..21730, 21608..21805, 21609..21806		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o4.ts	Method	TBLASTX:Soybean
Start	22007	End	22252
GI	none	Score	66
Exons	22007..22252, 22107..22235		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799

Name	OJ000250_56.0214.C5.o8.tw	Method	TBLASTX:Wheat
Start	22562	End	22732
GI	none	Score	57
Exons	22562..22630, 22562..22732, 22572..22724		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o9.tw	Method	TBLASTX:Wheat
Start	23239	End	23628
GI	none	Score	63
Exons	23239..23373, 23279..23362, 23419..23628, 23420..23572		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o7.tm	Method	TBLASTX:Maize
Start	23311	End	23634
GI	none	Score	192
Exons	23311..23634		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o7.tw	Method	TBLASTX:Wheat
Start	24175	End	24535
GI	none	Score	120
Exons	24175..24534, 24176..24535		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o7.gs	Method	GENSCAN
Start	30123	End	30799
GI	none	Score	.67
Exons	30123..30167, 30710..30799		

Seq. No.	28717	Seq. ID	OJ000250_56.0214.C5
Gene No.	59300	Strand	-
Start	30123	End	30799
Name	OJ000250_56.0214.C5.o10.tw	Method	TBLASTX:Wheat
Start	30322	End	30559
GI	none	Score	74
Exons	30322..30402, 30322..30381, 30412..30558, 30428..30559		

Seq. No.	28718	Seq. ID	OJ000250_56.0214.C6
Gene No.	59301	Strand	+
Start	37	End	1918
Name	OJ000250_56.0214.C6.o1.np	Method	AAT/NAP
Start	37	End	1915
GI	6907087	Score	1263
Exons	37..419, 628..1262, 1814..1915		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28718	Seq. ID	OJ000250_56.0214.C6

Gene No.	59301	Strand	+
Start	37	End	1918
Name	OJ000250_56.0214.C6.o1.gs	Method	GENSCAN
Start	477	End	1918
GI	none	Score	.7
Exons	477..941, 974..1372, 1814..1918		

Seq. No.	28718	Seq. ID	OJ000250_56.0214.C6
Gene No.	59302	Strand	+
Start	2377	End	2758
Name	OJ000250_56.0214.C6.o1.gp	Method	AAT/GAP
Start	2377	End	2758
GI	uC-osf1cyp033a04b1	Score	663
Exons	2377..2758		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28718	Seq. ID	OJ000250_56.0214.C6
Gene No.	59303	Strand	-
Start	2306	End	4224
Name	OJ000250_56.0214.C6.o2.np	Method	AAT/NAP
Start	2306	End	4224
GI	4680186	Score	226
Exons	2306..2530, 4126..4224		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28719	Seq. ID	OJ000250_56.0214.C7
Gene No.	59304	Strand	
Start	942	End	1481
Name	OJ000250_56.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	942	End	1301
GI	none	Score	266
Exons	942..1301, 944..1297, 1011..1301		

Seq. No.	28719	Seq. ID	OJ000250_56.0214.C7
Gene No.	59304	Strand	
Start	942	End	1481
Name	OJ000250_56.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	1182	End	1481
GI	none	Score	219
Exons	1182..1481, 1211..1285		

Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o1.np	Method	AAT/NAP
Start	1	End	700
GI	5902445	Score	718
Exons	1..700		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o2.tw	Method	TBLASTX:Wheat
Start	9	End	258
GI	none	Score	99

Exons	9..257, 28..258		
Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o1.tm	Method	TBLASTX:Maize
Start	172	End	600
GI	none	Score	44
Exons	172..201, 252..326, 256..324,	345..599,	346..600
Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o1.gs	Method	GENSCAN
Start	183	End	650
GI	none	Score	.46
Exons	183..273, 472..650		
Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o1.ts	Method	TBLASTX:Soybean
Start	297	End	692
GI	none	Score	83
Exons	297..692, 493..633		
Seq. No.	28720	Seq. ID	OJ000250_56.0214.C9
Gene No.	59305	Strand	-
Start	1	End	700
Name	OJ000250_56.0214.C9.o1.tw	Method	TBLASTX:Wheat
Start	322	End	698
GI	none	Score	237
Exons	322..636, 324..698, 342..647,	590..685	
Seq. No.	28721	Seq. ID	OJ000250_56.0214.C10
Gene No.	59306	Strand	+
Start	1	End	379
Name	OJ000250_56.0214.C10.o1.np	Method	AAT/NAP
Start	1	End	379
GI	4378066	Score	255
Exons	1..379		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	28721	Seq. ID	OJ000250_56.0214.C10
Gene No.	59306	Strand	+
Start	1	End	379
Name	OJ000250_56.0214.C10.o1.gs	Method	GENSCAN
Start	20	End	241
GI	none	Score	.64
Exons	20..241		
Seq. No.	28722	Seq. ID	OJ000250_56.0214.C13
Gene No.	59307	Strand	+
Start	1	End	514
Name	OJ000250_56.0214.C13.o1.np	Method	AAT/NAP

Start	1	End	514
GI	6907087	Score	130
Exons	1..53, 413..514		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28722	Seq. ID	OJ000250_56.0214.C13
Gene No.	59308	Strand	+
Start	987	End	1162
Name	OJ000250_56.0214.C13.o1.gp	Method	AAT/GAP
Start	987	End	1162
GI	uC-osflcyp033a04b1	Score	314
Exons	987..1162		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28722	Seq. ID	OJ000250_56.0214.C13
Gene No.	59309	Strand	-
Start	407	End	945
Name	OJ000250_56.0214.C13.o1.gs	Method	GENSCAN
Start	407	End	945
GI	none	Score	.85
Exons	407..513, 888..945		

Seq. No.	28722	Seq. ID	OJ000250_56.0214.C13
Gene No.	59310	Strand	-
Start	916	End	1162
Name	OJ000250_56.0214.C13.o2.np	Method	AAT/NAP
Start	916	End	1162
GI	4680186	Score	239
Exons	916..1162		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59311	Strand	+
Start	169	End	1680
Name	OJ000250_56.0214.C14.o1.gs	Method	GENSCAN
Start	169	End	1680
GI	none	Score	.53
Exons	169..562, 1015..1103, 1572..1680		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59312	Strand	+
Start	7506	End	8398
Name	OJ000250_56.0214.C14.o4.gs	Method	GENSCAN
Start	7506	End	8398
GI	none	Score	.89
Exons	7506..7563, 7902..8398		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	7952
GI	5922631	Score	1743
Exons	1..107, 1728..2341, 6106..7050, 7143..7258, 7301..7816,		

	7864..7952
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o4.tw	Method	TBLASTX:Wheat
Start	347	End	763
GI	none	Score	246
Exons	347..763		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o1.ts	Method	TBLASTX:Soybean
Start	539	End	784
GI	none	Score	236
Exons	539..784, 586..669, 748..780		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o3.tm	Method	TBLASTX:Maize
Start	557	End	811
GI	none	Score	98
Exons	557..637, 607..699, 620..700, 703..810, 704..811		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o2.tw	Method	TBLASTX:Wheat
Start	2016	End	2360
GI	none	Score	149
Exons	2016..2360, 2020..2319		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o2.tm	Method	TBLASTX:Maize
Start	2046	End	2417
GI	none	Score	118
Exons	2046..2417, 2047..2397		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o2.gs	Method	GENSCAN
Start	2130	End	3511
GI	none	Score	.88
Exons	2130..2378, 2765..2864, 3414..3511		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o3.gs	Method	GENSCAN
Start	5558	End	6768
GI	none	Score	.65
Exons	5558..6069, 6363..6768		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o1.tm	Method	TBLASTX:Maize
Start	5603	End	5959
GI	none	Score	73
Exons	5603..5719, 5603..5959, 5613..5921, 5771..5944		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o1.tw	Method	TBLASTX:Wheat
Start	5633	End	6089
GI	none	Score	177
Exons	5633..6088, 5634..6089		

Seq. No.	28723	Seq. ID	OJ000250_56.0214.C14
Gene No.	59313	Strand	-
Start	1	End	7952
Name	OJ000250_56.0214.C14.o3.tw	Method	TBLASTX:Wheat
Start	6322	End	6711
GI	none	Score	61
Exons	6322..6486, 6367..6480, 6497..6544, 6502..6711, 6556..6711		

Seq. No.	28724	Seq. ID	OJ000250_56.0214.C15
Gene No.	59314	Strand	-
Start	608	End	1289
Name	OJ000250_56.0214.C15.o1.gs	Method	GENSCAN
Start	608	End	1289
GI	none	Score	.95
Exons	608..724, 1284..1289		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59315	Strand	+
Start	1019	End	7115
Name	OJ000250_56.0214.C16.o1.gs	Method	GENSCAN
Start	1019	End	7115
GI	none	Score	.53
Exons	1019..1099, 2756..2882, 2951..3154, 3909..4023, 4126..4142, 4255..4929, 4934..5016, 5101..5205, 5273..5464, 5535..5593, 5742..6081, 6118..6372, 6493..6673, 6784..6875, 6942..7115		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59315	Strand	+
Start	1019	End	7115
Name	OJ000250_56.0214.C16.o2.np	Method	AAT/NAP
Start	5209	End	6414
GI	6721561	Score	1103
Exons	5209..5464, 5535..5593, 5667..6414		

GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59316	Strand	-
Start	1	End	2215
Name	OJ000250_56.0214.C16.o1.np	Method	AAT/NAP
Start	1	End	2215
GI	5902444	Score	153
Exons	1..43, 1899..2215		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o1.tw	Method	TBLASTX:Wheat
Start	4648	End	11040
GI	none	Score	374
Exons	4648..4701, 10584..11039, 10585..11040		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o3.np	Method	AAT/NAP
Start	7875	End	10985
GI	5902445	Score	2922
Exons	7875..9184, 9218..10985		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o3.tw	Method	TBLASTX:Wheat
Start	7884	End	8493
GI	none	Score	70
Exons	7884..8012, 7885..8010, 8040..8390, 8236..8343, 8374..8493, 8393..8488		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o2.gs	Method	GENSCAN
Start	7905	End	12763
GI	none	Score	.59
Exons	7905..8370, 8807..9502, 10195..10994, 11301..11647, 11753..12763		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o4.tm	Method	TBLASTX:Maize
Start	8007	End	8270
GI	none	Score	203
Exons	8007..8270		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o5.tw	Method	TBLASTX:Wheat
Start	8617	End	9000
GI	none	Score	203
Exons	8617..9000, 8618..8992		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o2.tm	Method	TBLASTX:Maize
Start	8695	End	9000
GI	none	Score	168
Exons	8695..9000, 8696..8962		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o6.tw	Method	TBLASTX:Wheat
Start	9492	End	9899
GI	none	Score	39
Exons	9492..9557, 9492..9665, 9673..9846, 9675..9899		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o1.ts	Method	TBLASTX:Soybean
Start	10020	End	10415
GI	none	Score	83
Exons	10020..10415, 10216..10356		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o2.tw	Method	TBLASTX:Wheat
Start	10045	End	10469
GI	none	Score	237
Exons	10045..10359, 10047..10469, 10065..10466		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o3.tm	Method	TBLASTX:Maize
Start	10143	End	10526
GI	none	Score	97
Exons	10143..10526, 10144..10359		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o1.tm	Method	TBLASTX:Maize
Start	10554	End	10910
GI	none	Score	212
Exons	10554..10910, 10555..10848, 10605..10868		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16

Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o4.np	Method	AAT/NAP
Start	11052	End	13025
GI	5902444	Score	1024
Exons	11052..12710, 12758..13025		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o4.tw	Method	TBLASTX:Wheat
Start	11232	End	11687
GI	none	Score	94
Exons	11232..11468, 11289..11456, 11350..11466, 11505..11687, 11506..11679		

Seq. No.	28725	Seq. ID	OJ000250_56.0214.C16
Gene No.	59317	Strand	-
Start	7905	End	13025
Name	OJ000250_56.0214.C16.o7.tw	Method	TBLASTX:Wheat
Start	12321	End	12665
GI	none	Score	83
Exons	12321..12593, 12367..12579, 12570..12665, 12571..12642		

Seq. No.	28726	Seq. ID	OJ000250_56.0214.C17
Gene No.	59318	Strand	+
Start	1	End	1444
Name	OJ000250_56.0214.C17.o1.np	Method	AAT/NAP
Start	1	End	1444
GI	6721512	Score	97
Exons	1..167, 1178..1269, 1297..1444		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28726	Seq. ID	OJ000250_56.0214.C17
Gene No.	59319	Strand	-
Start	488	End	3441
Name	OJ000250_56.0214.C17.o2.np	Method	AAT/NAP
Start	488	End	3441
GI	1311054	Score	79
Exons	488..506, 2103..2216, 3379..3441		
GI Descrip.	Chain A, Casein Kinase I Delta Truncation Mutant Containing Residues 1 - 317 Complex With Bound Tungstate gi|1311055|pdb|1CKJ|B Chain B, Casein Kinase I Delta Truncation Mutant Containing Residues 1 - 317 Complex With Bound Tungstate gi|1311056|pdb|1CKI|A Chain A, Recombinant Casein Kinase I Delta Truncation Mutant Containing Residues 1 - 317 gi|1311057|pdb|1CKI|B Chain B, R		

Seq. No.	28726	Seq. ID	OJ000250_56.0214.C17
Gene No.	59320	Strand	
Start	5554	End	6078
Name	OJ000250_56.0214.C17.o1.tm	Method	TBLASTX:Maize
Start	5554	End	6078
GI	none	Score	57
Exons	5554..5643, 5557..5880, 5627..5881, 5674..5958, 5876..5929, 5877..5981, 5983..6078, 5983..6066		

Seq. No.	28727	Seq. ID	OJ000250_56.0214.C18
Gene No.	59321	Strand	+
Start	106	End	243
Name	OJ000250_56.0214.C18.o1.gs	Method	GENSCAN
Start	106	End	243
GI	none	Score	.97
Exons	106..243		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59322	Strand	+
Start	1	End	2499
Name	OJ000250_56.0214.C21.o1.np	Method	AAT/NAP
Start	1	End	2499
GI	4585985	Score	1064
Exons	1..867, 1191..2499		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59322	Strand	+
Start	1	End	2499
Name	OJ000250_56.0214.C21.o1.gs	Method	GENSCAN
Start	243	End	2475
GI	none	Score	.82
Exons	243..891, 990..1250, 1802..2475		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59323	Strand	+
Start	11765	End	13253
Name	OJ000250_56.0214.C21.o4.gs	Method	GENSCAN
Start	11765	End	13253
GI	none	Score	.62
Exons	11765..11851, 12951..13253		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59324	Strand	+
Start	14616	End	20167
Name	OJ000250_56.0214.C21.o6.gs	Method	GENSCAN
Start	14616	End	20167
GI	none	Score	.5
Exons	14616..14622, 14917..15039, 15165..15488, 15823..16135, 16186..16268, 16378..16416, 16675..16816, 16935..16983, 17082..17255, 18286..18391, 19178..19249, 19655..19815, 19916..20167		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59324	Strand	+
Start	14616	End	20167
Name	OJ000250_56.0214.C21.o1.gp	Method	AAT/GAP
Start	16929	End	17301
GI	LIB3432-056-P1-K1-B2	Score	426
Exons	16929..16983, 17082..17301		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 5.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59324	Strand	+

Start	14616	End	20167
Name	OJ000250_56.0214.C21.o2.gp	Method	AAT/GAP
Start	19655	End	19735
GI	LIB3433-025-P1-K1-C5	Score	115
Exons	19655..19735		
GI Descrip.	'3914140/sp|O65091|NLT5_ORYSA 1.0e-27 NONSPECIFIC LIPID-TRANSFER PROTEIN 5 PRECURSOR (LTP 5) >gi_3172343 (AF051369) lipid transfer protein [Oryza sativa]'		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59325	Strand	+
Start	29519	End	35043
Name	OJ000250_56.0214.C21.o9.gs	Method	GENSCAN
Start	29519	End	34641
GI	none	Score	.41
Exons	29519..29615, 30159..30310, 30788..30991, 31064..31156, 31304..32143, 33906..34098, 34147..34356, 34625..34641		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59325	Strand	+
Start	29519	End	35043
Name	OJ000250_56.0214.C21.o6.np	Method	AAT/NAP
Start	31975	End	35043
GI	3738337	Score	640
Exons	31975..32003, 33462..35043		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59326	Strand	-
Start	3563	End	4252
Name	OJ000250_56.0214.C21.o2.gs	Method	GENSCAN
Start	3563	End	4252
GI	none	Score	.79
Exons	3563..3568, 3635..3876, 4195..4252		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59327	Strand	-
Start	5007	End	8908
Name	OJ000250_56.0214.C21.o2.np	Method	AAT/NAP
Start	5007	End	8908
GI	6539553	Score	6272
Exons	5007..8908		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59328	Strand	-
Start	11162	End	16590
Name	OJ000250_56.0214.C21.o3.np	Method	AAT/NAP
Start	11162	End	16590
GI	6016874	Score	1051
Exons	11162..11235, 12940..13193, 13704..14043, 14155..14241, 16557..16590		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a		

region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59328	Strand	-
Start	11162	End	16590
Name	OJ000250_56.0214.C21.o4.np	Method	AAT/NAP
Start	11586	End	14429
GI	6016874	Score	1041
Exons	11586..11617, 12618..12651, 12934..13193, 13704..14043, 14155..14241, 14405..14429		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59328	Strand	-
Start	11162	End	16590
Name	OJ000250_56.0214.C21.o5.gs	Method	GENSCAN
Start	13700	End	14379
GI	none	Score	.91
Exons	13700..14100, 14155..14224, 14260..14379		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59329	Strand	-
Start	21421	End	24453
Name	OJ000250_56.0214.C21.o7.gs	Method	GENSCAN
Start	21421	End	24453
GI	none	Score	.58
Exons	21421..21669, 21695..21839, 21919..22109, 22114..22218, 24415..24453		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59329	Strand	-
Start	21421	End	24453
Name	OJ000250_56.0214.C21.o5.np	Method	AAT/NAP
Start	21439	End	21755
GI	3096945	Score	275
Exons	21439..21755		
GI Descrip.	(AL023094) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59330	Strand	-
Start	24768	End	24821
Name	OJ000250_56.0214.C21.o3.gp	Method	AAT/GAP
Start	24768	End	24821
GI	3759960	Score	55
Exons	24768..24821		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o2.tm	Method	TBLASTX:Maize
Start	509	End	913
GI	none	Score	470
Exons	509..913, 510..911, 524..913		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o11.tm	Method	TBLASTX:Maize
Start	1570	End	1764
GI	none	Score	107
Exons	1570..1665, 1571..1666, 1574..1666, 1666..1764, 1674..1760, 1676..1762		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o5.tw	Method	TBLASTX:Wheat
Start	1711	End	2094
GI	none	Score	74
Exons	1711..1821, 1804..1866, 1870..2094, 1995..2093		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2289
GI	none	Score	473
Exons	1933..2289, 1980..2288, 2050..2289		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o3.tc	Method	TBLASTX:Cress
Start	1975	End	2205
GI	none	Score	189
Exons	1975..2205, 1980..2108		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o2.tw	Method	TBLASTX:Wheat
Start	5143	End	5618
GI	none	Score	214
Exons	5143..5403, 5178..5420, 5181..5402, 5399..5527, 5399..5527, 5400..5528, 5403..5534, 5425..5529, 5529..5612, 5543..5617, 5547..5618		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o10.tm	Method	TBLASTX:Maize
Start	5474	End	5812
GI	none	Score	137
Exons	5474..5806, 5475..5669, 5489..5812		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o3.ts	Method	TBLASTX:Soybean
Start	5624	End	5969

GI	none	Score	110
Exons	5624..5968, 5769..5969		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o3.tw	Method	TBLASTX:Wheat
Start	5810	End	6367
GI	none	Score	300
Exons	5810..6028, 6023..6367		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o7.tm	Method	TBLASTX:Maize
Start	5903	End	6367
GI	none	Score	99
Exons	5903..6367, 6050..6352		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o1.ts	Method	TBLASTX:Soybean
Start	6038	End	6502
GI	5509260	Score	350
Exons	6038..6502		
GI Descrip.	-		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o1.tc	Method	TBLASTX:Cress
Start	6149	End	6409
GI	none	Score	265
Exons	6149..6409		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o1.tw	Method	TBLASTX:Wheat
Start	6422	End	7177
GI	none	Score	222
Exons	6422..6631, 6423..6605, 6439..6669, 6442..6615, 6689..7177, 6690..7169		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o2.ts	Method	TBLASTX:Soybean
Start	6827	End	7225
GI	none	Score	38
Exons	6827..7000, 6954..6992, 7001..7225, 7047..7217		
Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o8.tm	Method	TBLASTX:Maize

Start	7013	End	7447
GI	none	Score	78
Exons	7013..7447, 7038..7205		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o7.tw	Method	TBLASTX:Wheat
Start	7178	End	7516
GI	none	Score	67
Exons	7178..7516, 7199..7471		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o6.ts	Method	TBLASTX:Soybean
Start	7235	End	7621
GI	none	Score	93
Exons	7235..7483, 7466..7621		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o3.tm	Method	TBLASTX:Maize
Start	7649	End	7970
GI	none	Score	373
Exons	7649..7963, 7650..7943, 7651..7962, 7710..7970		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o6.tm	Method	TBLASTX:Maize
Start	8466	End	8779
GI	none	Score	274
Exons	8466..8756, 8468..8779, 8471..8773		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o4.tw	Method	TBLASTX:Wheat
Start	8527	End	8914
GI	none	Score	188
Exons	8527..8856, 8528..8914, 8529..8795, 8531..8854, 8838..8903		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o9.tm	Method	TBLASTX:Maize
Start	13766	End	14009
GI	none	Score	97
Exons	13766..13999, 13851..14009		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o4.ts	Method	TBLASTX:Soybean
Start	21454	End	21634

GI	none	Score	128
Exons	21454..21633, 21464..21634		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o2.tc	Method	TBLASTX:Cress
Start	21463	End	21714
GI	none	Score	138
Exons	21463..21633, 21464..21634, 21685..21714		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o4.tm	Method	TBLASTX:Maize
Start	26549	End	35018
GI	none	Score	259
Exons	26549..26617, 34623..35018, 34626..34877, 34863..35018		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o8.gs	Method	GENSCAN
Start	27207	End	29287
GI	none	Score	.69
Exons	27207..27349, 28775..28881, 29244..29287		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o8.tw	Method	TBLASTX:Wheat
Start	33172	End	33468
GI	none	Score	222
Exons	33172..33468		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o5.tm	Method	TBLASTX:Maize
Start	33741	End	34622
GI	none	Score	354
Exons	33741..34205, 33902..34183, 34161..34622, 34221..34373, 34232..34576		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o9.tw	Method	TBLASTX:Wheat
Start	33807	End	34103
GI	none	Score	212
Exons	33807..34103, 33822..34067, 33824..34069		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o5.ts	Method	TBLASTX:Soybean
Start	34412	End	34832

GI	none	Score	37
Exons	34412..34654, 34434..34463, 34515..34658, 34647..34832		

Seq. No.	28728	Seq. ID	OJ000250_56.0214.C21
Gene No.	59331	Strand	-
Start	27207	End	35018
Name	OJ000250_56.0214.C21.o6.tw	Method	TBLASTX:Wheat
Start	34455	End	35006
GI	none	Score	257
Exons	34455..34817, 34908..35006		

Seq. No.	28729	Seq. ID	OJ000250_56.0214.C23
Gene No.	59332	Strand	+
Start	1	End	607
Name	OJ000250_56.0214.C23.o1.np	Method	AAT/NAP
Start	1	End	607
GI	6006867	Score	138
Exons	1..607		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		

Seq. No.	28729	Seq. ID	OJ000250_56.0214.C23
Gene No.	59332	Strand	+
Start	1	End	607
Name	OJ000250_56.0214.C23.o1.gs	Method	GENSCAN
Start	18	End	496
GI	none	Score	.98
Exons	18..179, 209..496		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59333	Strand	+
Start	212	End	493
Name	OJ000250_51.0211.C1.o1.gs	Method	GENSCAN
Start	212	End	493
GI	none	Score	.51
Exons	212..335, 464..493		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59334	Strand	+
Start	9520	End	23393
Name	OJ000250_51.0211.C1.o3.np	Method	AAT/NAP
Start	9520	End	15718
GI	6562281	Score	173
Exons	9520..9741, 10480..10670, 15660..15718		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59334	Strand	+
Start	9520	End	23393
Name	OJ000250_51.0211.C1.o4.np	Method	AAT/NAP
Start	12914	End	23342
GI	3056590	Score	426
Exons	12914..12964, 19664..19738, 21981..22197, 22293..22551, 22654..22819, 23052..23342		
GI Descrip.	(AC004255) T1F9.11 [Arabidopsis thaliana]		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59334	Strand	+

Start	9520	End	23393
Name	OJ000250_51.0211.C1.o4.gs	Method	GENSCAN
Start	17113	End	23393
GI	none	Score	.57
Exons	17113..17146, 17203..17687, 18497..18549, 18911..19002, 19368..19451, 19635..19729, 21888..22057, 22654..22807, 23052..23393		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59335	Strand	-
Start	1	End	12501
Name	OJ000250_51.0211.C1.o2.np	Method	AAT/NAP
Start	1	End	12501
GI	4680186	Score	180
Exons	1..101, 3644..3775, 4350..4514, 12477..12501		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59335	Strand	-
Start	1	End	12501
Name	OJ000250_51.0211.C1.o1.np	Method	AAT/NAP
Start	230	End	2643
GI	6907086	Score	404
Exons	230..256, 1676..1798, 1877..2643		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59335	Strand	-
Start	1	End	12501
Name	OJ000250_51.0211.C1.o2.gs	Method	GENSCAN
Start	1772	End	5916
GI	none	Score	.6
Exons	1772..2339, 3161..3280, 3343..3399, 3582..3762, 4589..4728, 5360..5450, 5733..5916		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59335	Strand	-
Start	1	End	12501
Name	OJ000250_51.0211.C1.o2.tc	Method	TBLASTX:Cress
Start	9526	End	9696
GI	none	Score	191
Exons	9526..9696, 9534..9695		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59336	Strand	
Start	17424	End	17651
Name	OJ000250_51.0211.C1.o1.tw	Method	TBLASTX:Wheat
Start	17424	End	17651
GI	none	Score	193
Exons	17424..17651, 17498..17650		

Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59337	Strand	
Start	22056	End	23216
Name	OJ000250_51.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	22056	End	23216
GI	none	Score	99

Exons	22056..22199, 22316..22399, 22421..22510, 22637..22759, 23130..23216		
Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59337	Strand	
Start	22056	End	23216
Name	OJ000250_51.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	22056	End	22504
GI	none	Score	139
Exons	22056..22193, 22301..22405, 22409..22504		
Seq. No.	28730	Seq. ID	OJ000250_51.0211.C1
Gene No.	59337	Strand	
Start	22056	End	23216
Name	OJ000250_51.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	22056	End	22759
GI	none	Score	98
Exons	22056..22199, 22316..22399, 22421..22522, 22637..22759		
Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59338	Strand	+
Start	1	End	7284
Name	OJ000250_51.0211.C2.o1.np	Method	AAT/NAP
Start	1	End	7284
GI	1076802	Score	275
Exons	1..207, 3346..4586, 7118..7284		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		
Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o1.gp	Method	AAT/GAP
Start	7256	End	8748
GI	4968866	Score	633
Exons	7256..7309, 7451..7573, 8359..8479, 8654..8748		
GI Descrip.	3850583 9.0e-30 (AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb_X63468 from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o2.np	Method	AAT/NAP
Start	7412	End	11571
GI	3850583	Score	755
Exons	7412..7573, 8359..8479, 8654..8785, 10012..10145, 10221..10404, 11237..11449, 11548..11571		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb|X63468 from Homo sapiens. [Arabidopsis thaliana]		
Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o1.tm	Method	TBLASTX:Maize

Start	7418	End	11449
GI	none	Score	171
Exons	7418..7600, 7475..7600, 8353..8439, 8354..8479, 8354..8479, 8668..8778, 8702..8785, 10015..10149, 10032..10151, 10033..10149, 10034..10153, 10034..10150, 10218..10403, 10218..10286, 10219..10404, 10222..10395, 10223..10396, 11231..11302, 11236..11301, 11240..11302, 11300..11356, 11301..11360, 11309..11362, 11373..11435, 11378..11449, 11380..11433		

Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o2.ts	Method	TBLASTX:Soybean
Start	7475	End	8485
GI	none	Score	137
Exons	7475..7600, 7476..7598, 8353..8439, 8354..8485		

Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o1.ts	Method	TBLASTX:Soybean
Start	8656	End	11437
GI	none	Score	124
Exons	8656..8781, 8657..8785, 8702..8785, 10015..10149, 10030..10152, 10219..10404, 10235..10381, 11222..11302, 11236..11301, 11393..11437, 11396..11413		

Seq. No.	28731	Seq. ID	OJ000250_51.0211.C2
Gene No.	59339	Strand	+
Start	7256	End	11571
Name	OJ000250_51.0211.C2.o1.tc	Method	TBLASTX:Cress
Start	10033	End	10422
GI	none	Score	78
Exons	10033..10110, 10111..10146, 10215..10286, 10219..10422, 10261..10377, 10274..10381		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59340	Strand	+
Start	1	End	4344
Name	OJ000250_51.0211.C3.o1.np	Method	AAT/NAP
Start	1	End	2165
GI	5738379	Score	192
Exons	1..26, 333..446, 566..752, 2065..2165		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59340	Strand	+
Start	1	End	4344
Name	OJ000250_51.0211.C3.o1.gs	Method	GENSCAN
Start	257	End	4344
GI	none	Score	.84
Exons	257..308, 424..476, 566..752, 2074..2163, 2759..2790, 2908..3278, 4005..4344		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59340	Strand	+

Start	1	End	4344
Name	OJ000250_51.0211.C3.o1.gp	Method	AAT/GAP
Start	617	End	748
GI	none	Score	229
Exons	617..748		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59341	Strand	+
Start	6681	End	9396
Name	OJ000250_51.0211.C3.o2.gs	Method	GENSCAN
Start	6681	End	9396
GI	none	Score	.6
Exons	6681..6878, 7241..7385, 7863..7882, 7986..8083, 9327..9396		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59342	Strand	-
Start	2109	End	2635
Name	OJ000250_51.0211.C3.o2.gp	Method	AAT/GAP
Start	2109	End	2635
GI	none	Score	920
Exons	2109..2635		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o2.tm	Method	TBLASTX:Maize
Start	254	End	2168
GI	none	Score	37
Exons	254..289, 292..336, 293..337, 334..444, 342..413, 549..605, 563..604, 564..698, 566..706, 668..754, 675..737, 2064..2123, 2076..2168, 2077..2166		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o2.np	Method	AAT/NAP
Start	3241	End	12884
GI	400972	Score	1008
Exons	3241..3289, 11250..12884		
GI Descrip.	RETICULINE OXIDASE PRECURSOR (BERBERINE-BRIDGE-FORMING ENZYME) (BBE) (TETRAHYDROPROTOBERBERINE SYNTHASE) gi|99506|pir||A41533 reticuline oxidase (EC 1.5.3.9) precursor - California poppy gi|239110|bbs|65555 (S65550) (S)-reticuline:oxygen oxidoreductase (methylene-bridge-forming), berberine bridge enzyme {EC 1.5.3.9} [Eschscholtzia californica, Peptide, 538 aa] [Esch		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	11250	End	12103
GI	none	Score	56
Exons	11250..11336, 11258..11338, 11403..11525, 11408..11518, 11573..11809, 11586..11801, 11837..11956, 12020..12103		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3

Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	11258	End	11968
GI	none	Score	49
Exons	11258..11338, 11262..11336, 11406..11504, 11423..11527, 11573..11782, 11595..11669, 11825..11968		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o1.ts	Method	TBLASTX:Soybean
Start	11258	End	11920
GI	none	Score	74
Exons	11258..11338, 11423..11515, 11570..11821, 11577..11762, 11843..11920, 11844..11915		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o1.tw	Method	TBLASTX:Wheat
Start	11421	End	11800
GI	none	Score	64
Exons	11421..11519, 11423..11530, 11567..11800, 11586..11774		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o2.tc	Method	TBLASTX:Cress
Start	12002	End	12316
GI	none	Score	245
Exons	12002..12316		

Seq. No.	28732	Seq. ID	OJ000250_51.0211.C3
Gene No.	59343	Strand	-
Start	3241	End	12884
Name	OJ000250_51.0211.C3.o2.ts	Method	TBLASTX:Soybean
Start	12104	End	12646
GI	none	Score	88
Exons	12104..12310, 12413..12505, 12554..12646		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59344	Strand	+
Start	1	End	4842
Name	OJ000250_51.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	4842
GI	4680203	Score	1343
Exons	1..76, 971..2268, 4806..4842		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59344	Strand	+
Start	1	End	4842
Name	OJ000250_51.0211.C5.o1.gs	Method	GENSCAN
Start	1279	End	2115
GI	none	Score	.76
Exons	1279..1432, 1608..1780, 1915..2115		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59345	Strand	+
Start	5321	End	5557
Name	OJ000250_51.0211.C5.o2.np	Method	AAT/NAP
Start	4889	End	5434
GI	6539585	Score	277
Exons	4889..5062, 5361..5434		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59345	Strand	+
Start	5321	End	5557
Name	OJ000250_51.0211.C5.o2.gs	Method	GENSCAN
Start	5321	End	5557
GI	none	Score	.48
Exons	5321..5557		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59346	Strand	+
Start	6337	End	15857
Name	OJ000250_51.0211.C5.o3.np	Method	AAT/NAP
Start	6328	End	10619
GI	6907089	Score	1059
Exons	6328..7330, 7361..7611, 10222..10619		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59346	Strand	+
Start	6337	End	15857
Name	OJ000250_51.0211.C5.o3.gs	Method	GENSCAN
Start	6337	End	8258
GI	none	Score	.58
Exons	6337..6642, 6688..6760, 6869..7360, 7516..7619, 7719..8258		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59346	Strand	+
Start	6337	End	15857
Name	OJ000250_51.0211.C5.o4.np	Method	AAT/NAP
Start	9012	End	15857
GI	5852180	Score	683
Exons	9012..9059, 10053..10170, 10222..10635, 11333..11505, 15819..15857		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59347	Strand	-
Start	8413	End	12491
Name	OJ000250_51.0211.C5.o4.gs	Method	GENSCAN
Start	8413	End	12491
GI	none	Score	.65
Exons	8413..8479, 9549..9568, 9759..9815, 10075..10197, 10380..10918, 12266..12491		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59347	Strand	-
Start	8413	End	12491

Name	OJ000250_51.0211.C5.o1.gp	Method	AAT/GAP
Start	8920	End	9293
GI	uC-osflcyp033a04b1	Score	533
Exons	8920..9293		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	1321	End	1664
GI	none	Score	79
Exons	1321..1452, 1349..1414, 1363..1518, 1412..1528, 1489..1659, 1505..1660, 1506..1664, 1525..1662		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	1595	End	2019
GI	none	Score	99
Exons	1595..1666, 1724..1897, 1774..1890, 1903..2019, 1912..2001		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	1760	End	2100
GI	none	Score	116
Exons	1760..1900, 1852..1899, 1897..2100, 1950..2096		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	1760	End	2147
GI	none	Score	66
Exons	1760..1849, 1896..2147, 1897..2139		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	1885	End	2229
GI	none	Score	154
Exons	1885..2088, 1899..2162, 1899..2201, 1900..2229, 1916..2221		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o5.gs	Method	GENSCAN
Start	13476	End	15143
GI	none	Score	.63
Exons	13476..13631, 13740..14416, 14588..15143		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5

Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o5.np	Method	AAT/NAP
Start	13793	End	15857
GI	161752	Score	98
Exons	13793..13895, 14163..14241, 14387..14462, 14496..14632, 14780..14891, 15830..15857		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	28733	Seq. ID	OJ000250_51.0211.C5
Gene No.	59348	Strand	-
Start	13476	End	15857
Name	OJ000250_51.0211.C5.o6.np	Method	AAT/NAP
Start	13797	End	15460
GI	729704	Score	95
Exons	13797..13903, 14159..14241, 14484..14540, 14763..14858, 15428..15460		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	28734	Seq. ID	OJ000250_51.0211.C6
Gene No.	59349	Strand	+
Start	383	End	655
Name	OJ000250_51.0211.C6.o1.gs	Method	GENSCAN
Start	383	End	655
GI	none	Score	.59
Exons	383..655		

Seq. No.	28734	Seq. ID	OJ000250_51.0211.C6
Gene No.	59350	Strand	+
Start	1676	End	3455
Name	OJ000250_51.0211.C6.o1.np	Method	AAT/NAP
Start	1676	End	3455
GI	5852180	Score	564
Exons	1676..1728, 2698..2816, 2868..3455		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28734	Seq. ID	OJ000250_51.0211.C6
Gene No.	59351	Strand	-
Start	1578	End	1959
Name	OJ000250_51.0211.C6.o1.gp	Method	AAT/GAP
Start	1578	End	1959
GI	uC-osflcyp033a04b1	Score	695
Exons	1578..1959		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28734	Seq. ID	OJ000250_51.0211.C6
Gene No.	59352	Strand	-
Start	2388	End	3262
Name	OJ000250_51.0211.C6.o2.gs	Method	GENSCAN
Start	2388	End	3262
GI	none	Score	.65
Exons	2388..2473, 2790..2931, 3023..3262		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59353	Strand	+
Start	610	End	1383
Name	OJ000250_51.0211.C7.o1.gs	Method	GENSCAN
Start	610	End	1383
GI	none	Score	.81
Exons	610..1383		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59354	Strand	+
Start	4618	End	5150
Name	OJ000250_51.0211.C7.o3.np	Method	AAT/NAP
Start	4618	End	5150
GI	6539585	Score	230
Exons	4618..4772, 5071..5150		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59355	Strand	+
Start	9663	End	11839
Name	OJ000250_51.0211.C7.o6.np	Method	AAT/NAP
Start	9663	End	11839
GI	6721512	Score	51
Exons	9663..9722, 11712..11839		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59355	Strand	+
Start	9663	End	11839
Name	OJ000250_51.0211.C7.o4.np	Method	AAT/NAP
Start	11270	End	11400
GI	5922620	Score	166
Exons	11270..11400		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59356	Strand	+
Start	14542	End	21019
Name	OJ000250_51.0211.C7.o3.gs	Method	GENSCAN
Start	14542	End	20458
GI	none	Score	.93
Exons	14542..14601, 15731..15811, 16449..17039, 19041..19277, 19573..19715, 20143..20233, 20318..20458		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59356	Strand	+
Start	14542	End	21019
Name	OJ000250_51.0211.C7.o7.np	Method	AAT/NAP
Start	16498	End	21019
GI	4193320	Score	2109
Exons	16498..17039, 19041..19481, 19573..19715, 20143..20233, 20318..20452, 20999..21019		

GI Descrip. (AF045473) histone deacetylase [Zea mays]

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59357	Strand	-
Start	857	End	9799
Name	OJ000250_51.0211.C7.o2.np	Method	AAT/NAP
Start	857	End	5202
GI	5042454	Score	865
Exons	857..876, 1116..1327, 2068..2429, 2774..3029, 3204..3777, 3911..4418, 4486..4614, 5072..5202		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59357	Strand	-
Start	857	End	9799
Name	OJ000250_51.0211.C7.o1.np	Method	AAT/NAP
Start	2070	End	7779
GI	6498441	Score	1758
Exons	2070..2351, 2445..3575, 7716..7779		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59357	Strand	-
Start	857	End	9799
Name	OJ000250_51.0211.C7.o2.gs	Method	GENSCAN
Start	2262	End	9799
GI	none	Score	.44
Exons	2262..2924, 2943..3524, 3570..4434, 5554..5590, 7061..7477, 7568..7681, 9745..9799		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59358	Strand	-
Start	11540	End	11625
Name	OJ000250_51.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	2079	End	2688
GI	none	Score	69
Exons	2079..2204, 2235..2687, 2446..2688, 2455..2538, 2578..2643, 2639..2677		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59358	Strand	-
Start	11540	End	11625
Name	OJ000250_51.0211.C7.o4.tm	Method	TBLASTX:Maize
Start	2200	End	2465
GI	none	Score	79
Exons	2200..2316, 2202..2465		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59358	Strand	-
Start	11540	End	11625
Name	OJ000250_51.0211.C7.o3.tw	Method	TBLASTX:Wheat
Start	2695	End	3063
GI	none	Score	142
Exons	2695..2961, 2709..3062, 3007..3063		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59358	Strand	-
Start	11540	End	11625
Name	OJ000250_51.0211.C7.o3.tm	Method	TBLASTX:Maize
Start	2877	End	3200
GI	none	Score	187
Exons	2877..3200, 2887..3171		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59358	Strand	-
Start	11540	End	11625
Name	OJ000250_51.0211.C7.o5.np	Method	AAT/NAP
Start	11540	End	11625
GI	6630699	Score	87
Exons	11540..11625		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	
Start	16568	End	20233
Name	OJ000250_51.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	16568	End	17006
GI	none	Score	754
Exons	16568..17005, 16569..17006		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	
Start	16568	End	20233
Name	OJ000250_51.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	16569	End	19295
GI	none	Score	589
Exons	16569..17036, 16574..16672, 16736..17029, 19038..19286, 19040..19285, 19051..19287, 19068..19295		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	
Start	16568	End	20233
Name	OJ000250_51.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	16571	End	20230
GI	none	Score	597
Exons	16571..16675, 16572..17036, 16727..17029, 19040..19159, 19068..19481, 19112..19480, 19192..19497, 19572..19691, 19573..19716, 20141..20230		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	
Start	16568	End	20233
Name	OJ000250_51.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	19051	End	20233
GI	none	Score	606
Exons	19051..19098, 19068..19481, 19091..19480, 19572..19688, 19573..19716, 20141..20233		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	

Start	16568	End	20233
Name	OJ000250_51.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	19242	End	19681
GI	none	Score	347
Exons	19242..19481, 19255..19500, 19316..19480, 19556..19681, 19573..19680		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59359	Strand	
Start	16568	End	20233
Name	OJ000250_51.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	19295	End	19629
GI	none	Score	304
Exons	19295..19480, 19296..19478, 19573..19629		

Seq. No.	28735	Seq. ID	OJ000250_51.0211.C7
Gene No.	59360	Strand	
Start	20315	End	20452
Name	OJ000250_51.0211.C7.o5.tm	Method	TBLASTX:Maize
Start	20315	End	20452
GI	none	Score	133
Exons	20315..20452, 20316..20429, 20318..20452		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59361	Strand	+
Start	545	End	5469
Name	OJ000250_51.0211.C8.o1.np	Method	AAT/NAP
Start	545	End	3882
GI	5441880	Score	2672
Exons	545..2456, 2533..2791, 3036..3133, 3380..3532, 3648..3882		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59361	Strand	+
Start	545	End	5469
Name	OJ000250_51.0211.C8.o1.gs	Method	GENSCAN
Start	586	End	5469
GI	none	Score	.67
Exons	586..1148, 1750..2065, 2158..2308, 2380..2456, 2585..2791, 2884..3004, 3036..3133, 3224..3307, 3399..3532, 3596..3643, 3648..3780, 4574..4732, 4799..4876, 5329..5469		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59361	Strand	+
Start	545	End	5469
Name	OJ000250_51.0211.C8.o1.gp	Method	AAT/GAP
Start	1148	End	1630
GI	5701669	Score	408
Exons	1148..1383, 1604..1630		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59361	Strand	+

Start	545	End	5469
Name	OJ000250_51.0211.C8.o2.gp	Method	AAT/GAP
Start	2284	End	2783
GI	LIB3475-007-P1-K1-G8	Score	765
Exons	2284..2456, 2533..2783		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59362	Strand	+
Start	7260	End	7701
Name	OJ000250_51.0211.C8.o2.gs	Method	GENSCAN
Start	7260	End	7701
GI	none	Score	.66
Exons	7260..7267, 7578..7701		

Seq. No.	28736	Seq. ID	OJ000250_51.0211.C8
Gene No.	59363	Strand	-
Start	6896	End	9586
Name	OJ000250_51.0211.C8.o2.np	Method	AAT/NAP
Start	6896	End	9586
GI	6498436	Score	93
Exons	6896..6949, 8101..8330, 9551..9586		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	1567
GI	1778149	Score	467
Exons	1..224, 711..801, 902..1054, 1146..1273, 1494..1567		
GI Descrip.	(U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	715	End	1271
GI	none	Score	65
Exons	715..798, 716..799, 902..1057, 903..1058, 918..1058, 928..1059, 947..1153, 1095..1271, 1146..1271		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	715	End	1196
GI	none	Score	99
Exons	715..804, 716..802, 902..1054, 903..1055, 1095..1196		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.tm	Method	TBLASTX:Maize

Start	715	End	1272
GI	none	Score	109
Exons	715..804, 716..802, 899..1057, 903..1055, 906..1067, 907..1056, 1095..1271, 1146..1271, 1150..1272		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	718	End	1301
GI	none	Score	51
Exons	718..786, 719..787, 902..1048, 903..1049, 1161..1301		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.gp	Method	AAT/GAP
Start	726	End	1268
GI	LIB3431-016-P1-K1-H1	Score	651
Exons	726..801, 902..1054, 1146..1268		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	28737	Seq. ID	OJ000250_51.0211.C9
Gene No.	59364	Strand	-
Start	1	End	1567
Name	OJ000250_51.0211.C9.o1.gs	Method	GENSCAN
Start	902	End	1268
GI	none	Score	.97
Exons	902..1054, 1146..1268		

Seq. No.	28738	Seq. ID	OJ000250_51.0211.C10
Gene No.	59365	Strand	+
Start	3298	End	4366
Name	OJ000250_51.0211.C10.o2.gs	Method	GENSCAN
Start	3298	End	4366
GI	none	Score	.67
Exons	3298..3538, 3926..4006, 4149..4366		

Seq. No.	28738	Seq. ID	OJ000250_51.0211.C10
Gene No.	59366	Strand	-
Start	574	End	2691
Name	OJ000250_51.0211.C10.o1.np	Method	AAT/NAP
Start	574	End	960
GI	1778149	Score	162
Exons	574..864, 906..960		
GI Descrip.	(U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	28738	Seq. ID	OJ000250_51.0211.C10
Gene No.	59366	Strand	-
Start	574	End	2691
Name	OJ000250_51.0211.C10.o1.gs	Method	GENSCAN
Start	583	End	963
GI	none	Score	.85
Exons	583..963		

Seq. No.	28738	Seq. ID	OJ000250_51.0211.C10
Gene No.	59366	Strand	-
Start	574	End	2691
Name	OJ000250_51.0211.C10.o2.np	Method	AAT/NAP
Start	636	End	2691
GI	1947160	Score	114
Exons	636..859, 944..1163, 2564..2691		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	28739	Seq. ID	OJ000250_51.0211.C11
Gene No.	59367	Strand	+
Start	289	End	1396
Name	OJ000250_51.0211.C11.o1.gs	Method	GENSCAN
Start	289	End	870
GI	none	Score	.85
Exons	289..870		

Seq. No.	28739	Seq. ID	OJ000250_51.0211.C11
Gene No.	59367	Strand	+
Start	289	End	1396
Name	OJ000250_51.0211.C11.o1.np	Method	AAT/NAP
Start	328	End	1396
GI	6539555	Score	883
Exons	328..1006, 1085..1396		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	28739	Seq. ID	OJ000250_51.0211.C11
Gene No.	59368	Strand	-
Start	1412	End	1937
Name	OJ000250_51.0211.C11.o2.gs	Method	GENSCAN
Start	1412	End	1937
GI	none	Score	.58
Exons	1412..1421, 1798..1937		

Seq. No.	28740	Seq. ID	OJ000250_51.0211.C12
Gene No.	59369	Strand	+
Start	625	End	845
Name	OJ000250_51.0211.C12.o1.gp	Method	AAT/GAP
Start	625	End	845
GI	7406_1.R1084	Score	201
Exons	625..793, 817..845		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	28741	Seq. ID	OJ000250_51.0211.C13
Gene No.	59370	Strand	+
Start	632	End	857
Name	OJ000250_51.0211.C13.o1.gs	Method	GENSCAN
Start	632	End	857
GI	none	Score	.95
Exons	632..857		

Seq. No.	28741	Seq. ID	OJ000250_51.0211.C13

Gene No.	59371	Strand	-
Start	717	End	863
Name	OJ000250_51.0211.C13.o1.gp	Method	AAT/GAP
Start	717	End	863
GI	1881_1.R1084	Score	250
Exons	717..863		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59372	Strand	+
Start	1410	End	2811
Name	OJ000250_51.0211.C14.o1.gp	Method	AAT/GAP
Start	1410	End	2811
GI	1881_2.R1084	Score	842
Exons	1410..1464, 1963..2061, 2163..2215, 2393..2466, 2556..2811		
GI Descrip.	'2832681/emb|CAA16781.1| 3.0e-49 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59372	Strand	+
Start	1410	End	2811
Name	OJ000250_51.0211.C14.o1.np	Method	AAT/NAP
Start	1410	End	2511
GI	2832681	Score	364
Exons	1410..1464, 1963..2061, 2163..2215, 2393..2511		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59373	Strand	+
Start	7180	End	7299
Name	OJ000250_51.0211.C14.o3.np	Method	AAT/NAP
Start	7180	End	7299
GI	5042462	Score	92
Exons	7180..7299		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o1.tw	Method	TBLASTX:Wheat
Start	1409	End	2605
GI	none	Score	83
Exons	1409..1462, 1411..1473, 1411..1464, 1962..2066, 1964..2056, 2155..2214, 2162..2215, 2166..2216, 2167..2220, 2381..2467, 2391..2480, 2391..2468, 2392..2472, 2554..2595, 2576..2605		

Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	1415	End	2607
GI	none	Score	88

Exons	1415..1465, 1416..1463, 1417..1464, 1962..2066, 1964..2059, 2155..2214, 2162..2215, 2167..2220, 2359..2454, 2359..2466, 2381..2467, 2396..2470, 2552..2602, 2554..2607		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	1419	End	2470
GI	none	Score	81
Exons	1419..1463, 1948..2058, 1962..2066, 1964..2056, 2155..2214, 2162..2215, 2170..2220, 2359..2466, 2392..2463, 2393..2470		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	3621	End	4195
GI	none	Score	132
Exons	3621..3731, 3732..3815, 3916..4194, 3964..4194, 3965..4195		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o2.np	Method	AAT/NAP
Start	3624	End	8286
GI	6069646	Score	466
Exons	3624..4449, 8259..8286		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o2.tw	Method	TBLASTX:Wheat
Start	3747	End	4089
GI	none	Score	163
Exons	3747..3821, 3886..4089		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o3.tm	Method	TBLASTX:Maize
Start	4198	End	4473
GI	none	Score	88
Exons	4198..4473, 4229..4450		
Seq. No.	28742	Seq. ID	OJ000250_51.0211.C14
Gene No.	59374	Strand	-
Start	3624	End	9792
Name	OJ000250_51.0211.C14.o2.gs	Method	GENSCAN
Start	7566	End	9792
GI	none	Score	.71
Exons	7566..7755, 9111..9225, 9251..9391, 9780..9792		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o1.gp	Method	AAT/GAP
Start	1	End	240
GI	LIB3475-004-P1-K2-H7	Score	168
Exons	1..28, 169..240		
GI Descrip.	'1778149 4.0e-33 (U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o1.np	Method	AAT/NAP
Start	1	End	1913
GI	1778147	Score	217
Exons	1..28, 169..288, 413..497, 1894..1913		
GI Descrip.	(U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	162	End	490
GI	none	Score	124
Exons	162..287, 163..297, 168..287, 412..483, 413..490, 413..484		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o1.tc	Method	TBLASTX:Cress
Start	163	End	490
GI	none	Score	148
Exons	163..303, 166..270, 168..287, 173..289, 412..483, 413..490		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o1.ts	Method	TBLASTX:Soybean
Start	175	End	490
GI	none	Score	145
Exons	175..303, 177..287, 178..288, 412..483, 413..490		

Seq. No.	28743	Seq. ID	OJ000250_51.0211.C15
Gene No.	59375	Strand	+
Start	1	End	1913
Name	OJ000250_51.0211.C15.o2.gp	Method	AAT/GAP
Start	396	End	497
GI	23641_1.R1084	Score	113
Exons	396..497		
GI Descrip.	'1778147 3.0e-36 (U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59376	Strand	+

Start	174	End	1219
Name	OJ000250_51.0211.C16.o1.gs	Method	GENSCAN
Start	174	End	955
GI	none	Score	.6
Exons	174..343, 658..787, 879..955		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59376	Strand	+
Start	174	End	1219
Name	OJ000250_51.0211.C16.o1.np	Method	AAT/NAP
Start	581	End	952
GI	1778149	Score	271
Exons	581..787, 879..952		
GI Descrip.	(U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59376	Strand	+
Start	174	End	1219
Name	OJ000250_51.0211.C16.o1.gp	Method	AAT/GAP
Start	658	End	1219
GI	23641_1.R1084	Score	895
Exons	658..787, 879..1219		
GI Descrip.	'1778147 3.0e-36 (U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o1.tc	Method	TBLASTX:Cress
Start	618	End	960
GI	none	Score	64
Exons	618..764, 655..789, 657..791, 877..960, 878..919		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o2.ts	Method	TBLASTX:Soybean
Start	655	End	951
GI	none	Score	195
Exons	655..789, 655..789, 657..791, 877..951, 878..919		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o3.tm	Method	TBLASTX:Maize
Start	655	End	984
GI	none	Score	212
Exons	655..789, 655..789, 875..919, 877..984, 877..951, 882..983		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o2.np	Method	AAT/NAP
Start	1462	End	3635
GI	6466937	Score	668
Exons	1462..1577, 2607..3635		

GI Descrip. (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o2.tm	Method	TBLASTX:Maize
Start	2564	End	3172
GI	none	Score	43
Exons	2564..2743, 2601..2720, 2775..3032, 2777..3172, 2810..3133		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o2.gs	Method	GENSCAN
Start	2642	End	3628
GI	none	Score	.43
Exons	2642..3068, 3303..3628		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o1.tw	Method	TBLASTX:Wheat
Start	2763	End	3115
GI	none	Score	144
Exons	2763..3032, 2777..3115, 2828..3112		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o2.tw	Method	TBLASTX:Wheat
Start	3179	End	3565
GI	none	Score	75
Exons	3179..3565, 3180..3362		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o1.tm	Method	TBLASTX:Maize
Start	3188	End	3634
GI	none	Score	195
Exons	3188..3634, 3234..3629		

Seq. No.	28744	Seq. ID	OJ000250_51.0211.C16
Gene No.	59377	Strand	-
Start	1462	End	3635
Name	OJ000250_51.0211.C16.o1.ts	Method	TBLASTX:Soybean
Start	3287	End	3556
GI	none	Score	37
Exons	3287..3337, 3288..3329, 3323..3400, 3326..3379, 3410..3556, 3414..3470		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	4013

GI	6466937	Score	1173
Exons	1..2377, 2863..2930, 3777..4013		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o2.np	Method	AAT/NAP
Start	1	End	4045
GI	6466937	Score	1170
Exons	1..2377, 2863..2930, 3938..4045		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o2.tm	Method	TBLASTX:Maize
Start	5	End	363
GI	none	Score	45
Exons	5..70, 12..71, 77..265, 78..278, 268..363		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o2.tw	Method	TBLASTX:Wheat
Start	5	End	4116
GI	none	Score	96
Exons	5..70, 68..265, 78..188, 87..296, 101..199, 268..384, 4060..4116		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o1.ts	Method	TBLASTX:Soybean
Start	92	End	453
GI	none	Score	95
Exons	92..265, 95..253, 99..269, 268..453		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o1.tm	Method	TBLASTX:Maize
Start	382	End	866
GI	none	Score	159
Exons	382..861, 388..825, 413..850, 567..866		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o1.tw	Method	TBLASTX:Wheat
Start	436	End	918
GI	none	Score	230
Exons	436..918, 440..880		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-

Start	1	End	4116
Name	OJ000250_51.0211.C17.o1.tc	Method	TBLASTX:Cress
Start	472	End	789
GI	none	Score	185
Exons	472..789		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o2.ts	Method	TBLASTX:Soybean
Start	568	End	882
GI	none	Score	222
Exons	568..882		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o3.tm	Method	TBLASTX:Maize
Start	1123	End	1740
GI	none	Score	124
Exons	1123..1215, 1306..1380, 1423..1539, 1618..1740		

Seq. No.	28745	Seq. ID	OJ000250_51.0211.C17
Gene No.	59378	Strand	-
Start	1	End	4116
Name	OJ000250_51.0211.C17.o4.tm	Method	TBLASTX:Maize
Start	1915	End	2320
GI	none	Score	84
Exons	1915..2175, 1919..2158, 2186..2320, 2200..2319		

Seq. No.	28746	Seq. ID	OJ000250_52.0214.C1
Gene No.	59379	Strand	-
Start	1217	End	5520
Name	OJ000250_52.0214.C1.o1.gs	Method	GENSCAN
Start	1217	End	5520
GI	none	Score	.58
Exons	1217..1257, 1677..1835, 3756..3787, 4292..4386, 4693..4851, 5455..5520		

Seq. No.	28746	Seq. ID	OJ000250_52.0214.C1
Gene No.	59380	Strand	-
Start	6827	End	12231
Name	OJ000250_52.0214.C1.o2.gs	Method	GENSCAN
Start	6827	End	12231
GI	none	Score	.79
Exons	6827..7397, 7642..7844, 7908..8009, 10788..10929, 11143..11218, 12072..12231		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59381	Strand	+
Start	1	End	1489
Name	OJ000250_52.0214.C2.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	6503299	Score	712
Exons	1..1468		
GI Descrip.	(AC011713) Contains similarity to gb|U82481 KI domain interacting kinase 1 from Zea mays and contains PF|00069		

Eukaryotic protein kinase domain. ESTs gb|H77140, gb|H76842 and gb|AI994303 come from this gene. [Arabi...

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59381	Strand	+
Start	1	End	1489
Name	OJ000250_52.0214.C2.o1.gs	Method	GENSCAN
Start	92	End	1489
GI	none	Score	1
Exons	92..1489		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o2.tm	Method	TBLASTX:Maize
Start	41	End	292
GI	none	Score	74
Exons	41..106, 128..292		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o1.ts	Method	TBLASTX:Soybean
Start	50	End	1330
GI	none	Score	210
Exons	50..292, 1016..1057, 1091..1153, 1184..1330		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o1.tw	Method	TBLASTX:Wheat
Start	53	End	289
GI	none	Score	188
Exons	53..289		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o2.tc	Method	TBLASTX:Cress
Start	53	End	1159
GI	none	Score	244
Exons	53..292, 1097..1159		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	1003	End	1387
GI	none	Score	91
Exons	1003..1047, 1007..1069, 1082..1183, 1108..1215, 1184..1267, 1280..1387		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o1.tc	Method	TBLASTX:Cress
Start	1160	End	1396

GI	none	Score	291
Exons	1160..1396, 1162..1221, 1312..1389		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o2.gs	Method	GENSCAN
Start	5823	End	8887
GI	none	Score	.43
Exons	5823..6044, 7213..7498, 8754..8887		

Seq. No.	28747	Seq. ID	OJ000250_52.0214.C2
Gene No.	59382	Strand	+
Start	5823	End	9014
Name	OJ000250_52.0214.C2.o2.np	Method	AAT/NAP
Start	6056	End	9014
GI	4539658	Score	64
Exons	6056..6147, 8980..9014		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	28748	Seq. ID	OJ000250_52.0214.C3
Gene No.	59383	Strand	-
Start	2847	End	3039
Name	OJ000250_52.0214.C3.o2.gs	Method	GENSCAN
Start	2847	End	3039
GI	none	Score	.47
Exons	2847..3039		

Seq. No.	28749	Seq. ID	OJ000250_52.0214.C4
Gene No.	59384	Strand	-
Start	26	End	101
Name	OJ000250_52.0214.C4.o1.gs	Method	GENSCAN
Start	26	End	101
GI	none	Score	.71
Exons	26..101		

Seq. No.	28750	Seq. ID	OJ000250_52.0214.C6
Gene No.	59385	Strand	+
Start	52	End	178
Name	OJ000250_52.0214.C6.o1.gs	Method	GENSCAN
Start	52	End	178
GI	none	Score	.91
Exons	52..178		

Seq. No.	28751	Seq. ID	OJ000250_52.0214.C8
Gene No.	59386	Strand	+
Start	127	End	251
Name	OJ000250_52.0214.C8.o1.tm	Method	TBLASTX:Maize
Start	91	End	251
GI	none	Score	122
Exons	91..240, 92..247, 117..251, 118..249, 121..177, 127..177		

Seq. No.	28751	Seq. ID	OJ000250_52.0214.C8
Gene No.	59386	Strand	+
Start	127	End	251
Name	OJ000250_52.0214.C8.o1.gs	Method	GENSCAN

Start	127	End	216
GI	none	Score	.91
Exons	127..216		

Seq. No.	28752	Seq. ID	OJ000250_52.0214.C10
Gene No.	59387	Strand	+
Start	1	End	1521
Name	OJ000250_52.0214.C10.o1.np	Method	AAT/NAP
Start	1	End	1521
GI	4680186	Score	376
Exons	1..44, 433..484, 1321..1521		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28752	Seq. ID	OJ000250_52.0214.C10
Gene No.	59388	Strand	-
Start	1073	End	1454
Name	OJ000250_52.0214.C10.o1.gp	Method	AAT/GAP
Start	1073	End	1454
GI	uC-osflcyp033a04b1	Score	679
Exons	1073..1454		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28753	Seq. ID	OJ000250_52.0214.C14
Gene No.	59389	Strand	+
Start	1	End	95
Name	OJ000250_52.0214.C14.o1.np	Method	AAT/NAP
Start	1	End	95
GI	6907087	Score	109
Exons	1..95		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28753	Seq. ID	OJ000250_52.0214.C14
Gene No.	59390	Strand	-
Start	490	End	650
Name	OJ000250_52.0214.C14.o2.np	Method	AAT/NAP
Start	490	End	650
GI	4680186	Score	110
Exons	490..650		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28754	Seq. ID	OJ000250_52.0214.C16
Gene No.	59391	Strand	-
Start	13	End	573
Name	OJ000250_52.0214.C16.o1.gs	Method	GENSCAN
Start	13	End	573
GI	none	Score	.66
Exons	13..573		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59392	Strand	+
Start	376	End	3011
Name	OJ000250_52.0214.C18.o1.gs	Method	GENSCAN
Start	376	End	3011
GI	none	Score	.76

Exons	376..693, 777..1663, 1745..2164, 2559..3011		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59393	Strand	+
Start	10652	End	16413
Name	OJ000250_52.0214.C18.o2.np	Method	AAT/NAP
Start	10652	End	16410
GI	6498441	Score	1340
Exons	10652..10677, 14599..14684, 14730..16035, 16129..16410		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59393	Strand	+
Start	10652	End	16413
Name	OJ000250_52.0214.C18.o4.gs	Method	GENSCAN
Start	12500	End	16413
GI	none	Score	.42
Exons	12500..12815, 13489..14103, 14194..14575, 14755..14910, 15208..15406, 15602..15930, 15942..16413		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59394	Strand	+
Start	26656	End	30052
Name	OJ000250_52.0214.C18.o7.gs	Method	GENSCAN
Start	26656	End	30052
GI	none	Score	.51
Exons	26656..26760, 26866..26931, 27495..27792, 28279..28343, 29075..29237, 29928..30052		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59395	Strand	-
Start	3554	End	12018
Name	OJ000250_52.0214.C18.o1.np	Method	AAT/NAP
Start	3554	End	8434
GI	4206306	Score	1271
Exons	3554..6682, 8406..8434		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59395	Strand	-
Start	3554	End	12018
Name	OJ000250_52.0214.C18.o3.gs	Method	GENSCAN
Start	4787	End	12018
GI	none	Score	.4
Exons	4787..5123, 5786..6395, 6702..6847, 7154..7437, 8012..8260, 8307..8404, 8727..8951, 9273..9425, 9557..10257, 10332..10444, 10932..10965, 11492..11618, 11934..12018		
Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59396	Strand	-
Start	17156	End	21010
Name	OJ000250_52.0214.C18.o5.gs	Method	GENSCAN
Start	17156	End	21010
GI	none	Score	.82
Exons	17156..17496, 17712..17790, 18023..18694, 18741..18839,		

18869..18991, 19041..19064, 19104..19228, 19309..19391,
19437..19564, 19676..19772, 19949..20089, 20662..20732,
20966..21010

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59396	Strand	-
Start	17156	End	21010
Name	OJ000250_52.0214.C18.o3.np	Method	AAT/NAP
Start	17894	End	19218
GI	6721561	Score	1056
Exons	17894..18659, 18741..18832, 18872..19033, 19147..19218		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59396	Strand	-
Start	17156	End	21010
Name	OJ000250_52.0214.C18.o4.np	Method	AAT/NAP
Start	18459	End	20048
GI	6721558	Score	261
Exons	18459..18659, 19100..19228, 19949..20048		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59397	Strand	-
Start	21748	End	23843
Name	OJ000250_52.0214.C18.o6.gs	Method	GENSCAN
Start	21748	End	23843
GI	none	Score	.83
Exons	21748..21911, 23804..23843		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o2.ts	Method	TBLASTX:Soybean
Start	3540	End	16404
GI	none	Score	151
Exons	3540..3791, 3548..3793, 3626..3793, 16201..16293, 16276..16404		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o4.tm	Method	TBLASTX:Maize
Start	3605	End	16365
GI	none	Score	145
Exons	3605..3682, 16099..16281, 16164..16280, 16275..16364, 16282..16365		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o2.tw	Method	TBLASTX:Wheat

Start	3608	End	16401
GI	none	Score	129
Exons	3608..3703, 3734..3826, 3884..4036, 4022..4171, 15788..15961, 15949..16245, 16270..16401, 16275..16400		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o3.ts	Method	TBLASTX:Soybean
Start	4136	End	15753
GI	none	Score	36
Exons	4136..4534, 4253..4276, 4314..4430, 15515..15583, 15608..15706, 15703..15753		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o3.tw	Method	TBLASTX:Wheat
Start	4304	End	15664
GI	none	Score	210
Exons	4304..4357, 4391..4498, 4532..4693, 15284..15529, 15292..15489, 15517..15663, 15518..15664		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o2.tm	Method	TBLASTX:Maize
Start	4367	End	15586
GI	none	Score	250
Exons	4367..4696, 15281..15529, 15301..15522, 15529..15585, 15530..15586		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o6.tw	Method	TBLASTX:Wheat
Start	4859	End	15079
GI	none	Score	68
Exons	4859..5095, 4863..5093, 14774..15079, 14821..15075		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o1.ts	Method	TBLASTX:Soybean
Start	4986	End	14881
GI	none	Score	64
Exons	4986..5099, 4988..5110, 5102..5236, 5118..5225, 5258..5395, 5268..5393, 14588..14671, 14759..14881		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o5.tw	Method	TBLASTX:Wheat
Start	5633	End	6030
GI	none	Score	69
Exons	5633..5734, 5774..6013, 5776..6030		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o1.tm	Method	TBLASTX:Maize
Start	5702	End	6162
GI	none	Score	42
Exons	5702..5773, 5768..6013, 5775..5846, 5776..6162, 5882..6013, 5899..6162		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o4.ts	Method	TBLASTX:Soybean
Start	5857	End	6087
GI	none	Score	83
Exons	5857..6087, 5882..5995, 5908..6063		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o1.tw	Method	TBLASTX:Wheat
Start	6031	End	6435
GI	none	Score	227
Exons	6031..6375, 6031..6384, 6074..6376, 6379..6435, 6389..6430		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o3.tm	Method	TBLASTX:Maize
Start	6163	End	6381
GI	none	Score	208
Exons	6163..6381, 6167..6376, 6181..6381		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o5.ts	Method	TBLASTX:Soybean
Start	6232	End	6597
GI	none	Score	134
Exons	6232..6366, 6373..6597		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o4.tw	Method	TBLASTX:Wheat
Start	13916	End	14309
GI	none	Score	67
Exons	13916..14035, 13986..14069, 13988..14065, 14048..14188, 14049..14309		

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o5.np	Method	AAT/NAP
Start	29885	End	31101
GI	6815052	Score	254
Exons	29885..30003, 30283..30353, 30435..30601, 31046..31101		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	28755	Seq. ID	OJ000250_52.0214.C18
Gene No.	59398	Strand	-
Start	29885	End	31101
Name	OJ000250_52.0214.C18.o8.gs	Method	GENSCAN
Start	30438	End	30584
GI	none	Score	.62
Exons	30438..30584		

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59399	Strand	+
Start	106	End	3680
Name	OJ000250_52.0214.C19.o1.np	Method	AAT/NAP
Start	106	End	3680
GI	5852172	Score	115
Exons	106..130, 3520..3680		

GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59400	Strand	-
Start	993	End	2001
Name	OJ000250_52.0214.C19.o2.gs	Method	GENSCAN
Start	993	End	2001
GI	none	Score	.54
Exons	993..1251, 1257..1338, 1917..2001		

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59401	Strand	-
Start	4186	End	4628
Name	OJ000250_52.0214.C19.o1.ts	Method	TBLASTX:Soybean
Start	4143	End	4627
GI	none	Score	39
Exons	4143..4184, 4222..4626, 4226..4627		

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59401	Strand	-
Start	4186	End	4628
Name	OJ000250_52.0214.C19.o2.np	Method	AAT/NAP
Start	4186	End	4628
GI	4539662	Score	564
Exons	4186..4628		

GI Descrip. (AF061282) polyprotein [Sorghum bicolor]

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59401	Strand	-
Start	4186	End	4628
Name	OJ000250_52.0214.C19.o1.tw	Method	TBLASTX:Wheat
Start	4234	End	4611
GI	none	Score	100
Exons	4234..4416, 4435..4611		

Seq. No.	28756	Seq. ID	OJ000250_52.0214.C19
Gene No.	59401	Strand	-
Start	4186	End	4628
Name	OJ000250_52.0214.C19.o1.tm	Method	TBLASTX:Maize
Start	4243	End	4627

GI	none	Score	148
Exons	4243..4530, 4244..4531, 4532..4627, 4537..4623		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59402	Strand	+
Start	7099	End	7983
Name	OJ000250_52.0214.C20.o1.gp	Method	AAT/GAP
Start	7099	End	7983
GI	2315_3.R1084	Score	140
Exons	7099..7205, 7930..7983		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 1.0e-46 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59403	Strand	+
Start	9289	End	12249
Name	OJ000250_52.0214.C20.o2.np	Method	AAT/NAP
Start	9289	End	12249
GI	5042463	Score	142
Exons	9289..9383, 10486..10709, 11378..11531, 11583..11665, 12183..12249		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59404	Strand	-
Start	1	End	3607
Name	OJ000250_52.0214.C20.o1.np	Method	AAT/NAP
Start	1	End	3607
GI	2586082	Score	3352
Exons	1..1027, 1070..1174, 1223..3607		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59405	Strand	-
Start	5075	End	13053
Name	OJ000250_52.0214.C20.o2.gs	Method	GENSCAN
Start	5075	End	13053
GI	none	Score	.54
Exons	5075..5172, 6096..6282, 6349..6431, 7585..7643, 9451..9533, 11687..12043, 12716..12845, 12992..13053		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59405	Strand	-
Start	5075	End	13053
Name	OJ000250_52.0214.C20.o3.np	Method	AAT/NAP
Start	10357	End	12102
GI	6539588	Score	197
Exons	10357..10410, 11795..12102		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o2.tm	Method	TBLASTX:Maize
Start	3	End	6376
GI	none	Score	37
Exons	3..80, 25..60, 130..405, 147..425, 6251..6376		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o2.tw	Method	TBLASTX:Wheat
Start	18	End	557
GI	none	Score	33
Exons	18..80, 213..557, 214..303, 331..405, 430..540		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o1.ts	Method	TBLASTX:Soybean
Start	222	End	725
GI	5509260	Score	138
Exons	222..725, 235..399, 463..588, 659..697		
GI Descrip.	-		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o2.tc	Method	TBLASTX:Cress
Start	339	End	609
GI	none	Score	109
Exons	339..608, 339..608, 340..609		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o5.tm	Method	TBLASTX:Maize
Start	429	End	687
GI	none	Score	100
Exons	429..686, 448..687		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o1.tc	Method	TBLASTX:Cress
Start	1359	End	1817
GI	none	Score	56
Exons	1359..1499, 1371..1817, 1543..1806		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o3.tw	Method	TBLASTX:Wheat
Start	1359	End	1728
GI	none	Score	158
Exons	1359..1727, 1360..1728		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o2.ts	Method	TBLASTX:Soybean
Start	1386	End	1820
GI	none	Score	261
Exons	1386..1820		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o3.tm	Method	TBLASTX:Maize
Start	1398	End	1823
GI	none	Score	162
Exons	1398..1712, 1399..1749, 1734..1823		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o3.ts	Method	TBLASTX:Soybean
Start	1827	End	2231
GI	none	Score	64
Exons	1827..1997, 2022..2144, 2026..2130, 2136..2231		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o5.tw	Method	TBLASTX:Wheat
Start	1836	End	2009
GI	none	Score	93
Exons	1836..2009, 1837..1989		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o4.tm	Method	TBLASTX:Maize
Start	2316	End	2615
GI	none	Score	227
Exons	2316..2615		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o1.tw	Method	TBLASTX:Wheat
Start	2320	End	2706
GI	none	Score	115
Exons	2320..2493, 2320..2406, 2322..2690, 2349..2660, 2525..2662, 2527..2706		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o3.tc	Method	TBLASTX:Cress
Start	3003	End	3547
GI	none	Score	76
Exons	3003..3392, 3407..3547		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o1.tm	Method	TBLASTX:Maize
Start	3078	End	3511
GI	none	Score	155
Exons	3078..3386, 3085..3387, 3404..3511		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o4.tw	Method	TBLASTX:Wheat
Start	3078	End	3514
GI	none	Score	68
Exons	3078..3260, 3085..3285, 3265..3402, 3279..3401, 3422..3514, 3426..3509		

Seq. No.	28757	Seq. ID	OJ000250_52.0214.C20
Gene No.	59406	Strand	-
Start	14521	End	18138
Name	OJ000250_52.0214.C20.o3.gs	Method	GENSCAN
Start	14521	End	18138
GI	none	Score	.88
Exons	14521..14618, 16600..16709, 18107..18138		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59407	Strand	+
Start	1	End	1981
Name	OJ000250_52.0214.C21.o1.np	Method	AAT/NAP
Start	1	End	1972
GI	4115383	Score	1812
Exons	1..227, 270..799, 854..1972		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59407	Strand	+
Start	1	End	1981
Name	OJ000250_52.0214.C21.o1.gs	Method	GENSCAN
Start	50	End	1981
GI	none	Score	1
Exons	50..1981		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59407	Strand	+
Start	1	End	1981
Name	OJ000250_52.0214.C21.o1.gp	Method	AAT/GAP
Start	61	End	500
GI	none	Score	813
Exons	61..500		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59408	Strand	+
Start	6023	End	23840
Name	OJ000250_52.0214.C21.o2.gs	Method	GENSCAN
Start	6023	End	23779
GI	none	Score	.48
Exons	6023..6065, 9058..9660, 13004..13066, 14073..14137, 15080..15119, 16651..16804, 17851..18018, 18238..18706, 19690..20210, 20297..20453, 21434..21615, 23374..23779		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59408	Strand	+
Start	6023	End	23840

Name	OJ000250_52.0214.C21.o2.np	Method	AAT/NAP
Start	15689	End	23519
GI	4894965	Score	360
Exons	15689..15736, 19795..20210, 20339..20443, 23374..23519		
GI Descrip.	(AF140554) DNA-binding protein WRKY1 [Avena sativa]		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59408	Strand	+
Start	6023	End	23840
Name	OJ000250_52.0214.C21.o3.gp	Method	AAT/GAP
Start	19850	End	20353
GI	LIB3431-016-P1-K1-D12	Score	769
Exons	19850..20210, 20297..20353		
GI Descrip.	'2130023/pir||S61413 6.0e-09 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]'		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59408	Strand	+
Start	6023	End	23840
Name	OJ000250_52.0214.C21.o4.gp	Method	AAT/GAP
Start	23374	End	23840
GI	2798493	Score	888
Exons	23374..23840		
GI Descrip.	2130023/pir||S61413 6.0e-09 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59409	Strand	+
Start	28690	End	30768
Name	OJ000250_52.0214.C21.o4.gs	Method	GENSCAN
Start	28690	End	30768
GI	none	Score	.52
Exons	28690..28816, 28930..29011, 29876..29897, 30616..30768		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59410	Strand	+
Start	32432	End	34696
Name	OJ000250_52.0214.C21.o5.gs	Method	GENSCAN
Start	32432	End	34316
GI	none	Score	.95
Exons	32432..32548, 33335..33466, 33766..33851, 34163..34316		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59410	Strand	+
Start	32432	End	34696
Name	OJ000250_52.0214.C21.o4.np	Method	AAT/NAP
Start	32441	End	34696
GI	4115377	Score	892
Exons	32441..32555, 33276..33466, 33550..33652, 33735..33851, 33945..34056, 34163..34316, 34461..34696		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59410	Strand	+

Start	32432	End	34696
Name	OJ000250_52.0214.C21.o7.gp	Method	AAT/GAP
Start	32698	End	32974
GI	569986	Score	529
Exons	32698..32974		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59411	Strand	-
Start	1820	End	2239
Name	OJ000250_52.0214.C21.o2.gp	Method	AAT/GAP
Start	1820	End	2239
GI	uC-osrocyp014c09a1	Score	823
Exons	1820..2239		
GI Descrip.	'4115383 2.0e-16 (AC005967) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o6.tm	Method	TBLASTX:Maize
Start	528	End	754
GI	none	Score	130
Exons	528..638, 531..650, 532..750, 533..754, 536..754		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o2.tm	Method	TBLASTX:Maize
Start	759	End	1235
GI	none	Score	136
Exons	759..887, 767..886, 898..1233, 899..1234, 912..1235		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o2.ts	Method	TBLASTX:Soybean
Start	988	End	1732
GI	none	Score	294
Exons	988..1128, 992..1312, 1195..1293, 1418..1579, 1435..1566, 1616..1651, 1667..1732, 1672..1722		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o2.tc	Method	TBLASTX:Cress
Start	1004	End	1957
GI	none	Score	167
Exons	1004..1246, 1247..1306, 1403..1573, 1429..1569, 1651..1713, 1667..1756, 1766..1957		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o2.tw	Method	TBLASTX:Wheat
Start	1163	End	18689
GI	none	Score	125
Exons	1163..1309, 1181..1309, 1415..1606, 1426..1584, 18633..18689		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o3.tm	Method	TBLASTX:Maize
Start	1243	End	1597
GI	none	Score	129
Exons	1243..1386, 1247..1396, 1247..1381, 1248..1382, 1359..1487, 1360..1590, 1372..1596, 1373..1597		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o5.tm	Method	TBLASTX:Maize
Start	1648	End	1971
GI	none	Score	115
Exons	1648..1749, 1649..1762, 1649..1747, 1696..1866, 1740..1838, 1756..1866, 1867..1971, 1868..1963		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o3.ts	Method	TBLASTX:Soybean
Start	9903	End	23500
GI	none	Score	64
Exons	9903..10052, 19794..19832, 19795..19992, 19881..19994, 20384..20440, 20385..20444, 23372..23437, 23456..23500		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o10.tm	Method	TBLASTX:Maize
Start	9984	End	27419
GI	none	Score	66
Exons	9984..10106, 27143..27340, 27144..27260, 27348..27419, 27373..27414, 27375..27416		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o8.tm	Method	TBLASTX:Maize
Start	19647	End	23425
GI	none	Score	105
Exons	19647..19805, 19648..19782, 19747..19917, 19748..19918, 19780..19917, 20382..20444, 23372..23425		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o1.tw	Method	TBLASTX:Wheat
Start	19734	End	23491
GI	none	Score	160
Exons	19734..19964, 19753..19968, 19753..19968, 20385..20444, 23372..23437, 23438..23491		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-

Start	24320	End	27424
Name	OJ000250_52.0214.C21.o3.tc	Method	TBLASTX:Cress
Start	19795	End	23491
GI	none	Score	223
Exons	19795..19980, 20384..20440, 20385..20444, 23372..23431, 23456..23491		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o7.tm	Method	TBLASTX:Maize
Start	23429	End	23863
GI	none	Score	58
Exons	23429..23467, 23432..23479, 23525..23557, 23526..23555, 23555..23797, 23581..23796, 23807..23863		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o5.gp	Method	AAT/GAP
Start	24320	End	25007
GI	702364	Score	794
Exons	24320..24562, 24666..24751, 24876..25007		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o9.tm	Method	TBLASTX:Maize
Start	24388	End	24897
GI	none	Score	159
Exons	24388..24561, 24392..24562, 24660..24752, 24671..24754, 24861..24896, 24862..24897		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o3.np	Method	AAT/NAP
Start	24397	End	27400
GI	6587804	Score	1278
Exons	24397..24562, 24666..24751, 24876..24980, 25113..25371, 25893..26083, 26840..27400		
GI Descrip.	(AC010924) ESTs gb|T43280, gb|AA395195 come from this gene. [Arabidopsis thaliana]		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o5.tc	Method	TBLASTX:Cress
Start	24431	End	24761
GI	none	Score	93
Exons	24431..24550, 24451..24561, 24644..24733, 24666..24761		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o5.ts	Method	TBLASTX:Soybean
Start	24668	End	24996

GI	none	Score	67
Exons	24668..24754, 24669..24752, 24861..24968, 24861..24986, 24862..24996		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o4.tm	Method	TBLASTX:Maize
Start	24924	End	26935
GI	none	Score	78
Exons	24924..24995, 24934..24996, 25114..25383, 25116..25382, 25865..26086, 25891..26085, 25892..26086, 26007..26093, 26840..26935		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59412	Strand	-
Start	24320	End	27424
Name	OJ000250_52.0214.C21.o6.gp	Method	AAT/GAP
Start	27168	End	27424
GI	none	Score	466
Exons	27168..27424		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59413	Strand	
Start	32300	End	34695
Name	OJ000250_52.0214.C21.o4.ts	Method	TBLASTX:Soybean
Start	32300	End	33806
GI	none	Score	40
Exons	32300..32437, 32510..32548, 32578..32631, 33329..33400, 33349..33393, 33389..33463, 33400..33456, 33544..33573, 33575..33661, 33580..33660, 33735..33806		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59413	Strand	
Start	32300	End	34695
Name	OJ000250_52.0214.C21.o1.tm	Method	TBLASTX:Maize
Start	32489	End	34695
GI	none	Score	71
Exons	32489..32563, 32507..32548, 33332..33400, 33334..33399, 33389..33466, 33400..33459, 33544..33573, 33550..33609, 33574..33669, 33583..33660, 33713..33844, 33714..33851, 33735..33848, 33778..33852, 33944..34069, 33945..34016, 33946..34023, 34003..34056, 34013..34057, 34153..34320, 34160..34384, 34161..34316, 34162..34317, 34437..34514, 34442..34513, 34491..34694, 34492..34695, 34492..34695		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59413	Strand	
Start	32300	End	34695
Name	OJ000250_52.0214.C21.o4.tc	Method	TBLASTX:Cress
Start	33407	End	34199
GI	none	Score	88
Exons	33407..33466, 33415..33462, 33575..33661, 33613..33660, 33713..33790, 33735..33791, 33735..33791, 33807..33845, 33945..34007, 34010..34054, 34161..34199		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21

Gene No.	59413	Strand	
Start	32300	End	34695
Name	OJ000250_52.0214.C21.o1.ts	Method	TBLASTX:Soybean
Start	33818	End	34695
GI	none	Score	41
Exons	33818..33844, 33821..33844, 33944..34006, 33945..34007, 34022..34057, 34160..34321, 34161..34316, 34164..34328, 34165..34338, 34437..34514, 34448..34513, 34489..34692, 34491..34694, 34492..34695, 34493..34693, 34533..34694		

Seq. No.	28758	Seq. ID	OJ000250_52.0214.C21
Gene No.	59413	Strand	
Start	32300	End	34695
Name	OJ000250_52.0214.C21.o1.tc	Method	TBLASTX:Cress
Start	34202	End	34680
GI	none	Score	149
Exons	34202..34321, 34203..34316, 34437..34514, 34443..34490, 34489..34680, 34491..34679, 34492..34680		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.np	Method	AAT/NAP
Start	1	End	785
GI	4115377	Score	1147
Exons	1..785		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o2.tc	Method	TBLASTX:Cress
Start	1	End	189
GI	none	Score	191
Exons	1..189, 3..59, 93..188		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	788
GI	none	Score	603
Exons	1..441, 3..434, 430..483, 433..483, 485..784, 488..781, 498..788		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.tm	Method	TBLASTX:Maize
Start	56	End	1085
GI	none	Score	77
Exons	56..148, 93..434, 94..441, 100..435, 426..485, 433..483, 473..787, 474..791, 498..788, 792..821, 793..825, 888..968, 889..969, 1025..1081, 1026..1085		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+

Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.tw	Method	TBLASTX:Wheat
Start	136	End	441
GI	none	Score	100
Exons	136..291, 151..246, 304..441, 315..428		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.tc	Method	TBLASTX:Cress
Start	190	End	788
GI	none	Score	397
Exons	190..441, 192..434, 208..438, 426..485, 433..483, 473..784, 498..788		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o1.gs	Method	GENSCAN
Start	537	End	2145
GI	none	Score	.7
Exons	537..784, 1624..1776, 1995..2145		

Seq. No.	28759	Seq. ID	OJ000250_52.0214.C22
Gene No.	59414	Strand	+
Start	1	End	2145
Name	OJ000250_52.0214.C22.o2.np	Method	AAT/NAP
Start	1758	End	1857
GI	5777617	Score	87
Exons	1758..1857		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	28760	Seq. ID	OJ000250_52.0214.C23
Gene No.	59415	Strand	-
Start	393	End	1109
Name	OJ000250_52.0214.C23.o1.gs	Method	GENSCAN
Start	393	End	1109
GI	none	Score	.58
Exons	393..618, 787..911, 1032..1109		

Seq. No.	28760	Seq. ID	OJ000250_52.0214.C23
Gene No.	59415	Strand	-
Start	393	End	1109
Name	OJ000250_52.0214.C23.o1.np	Method	AAT/NAP
Start	767	End	867
GI	5777617	Score	75
Exons	767..867		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	28761	Seq. ID	OJ000250_52.0214.C24
Gene No.	59416	Strand	+
Start	1264	End	1622
Name	OJ000250_52.0214.C24.o1.gs	Method	GENSCAN
Start	1264	End	1622
GI	none	Score	.6
Exons	1264..1411, 1588..1622		

Seq. No.	28761	Seq. ID	OJ000250_52.0214.C24
Gene No.	59417	Strand	-
Start	1302	End	7744
Name	OJ000250_52.0214.C24.o1.np	Method	AAT/NAP
Start	1302	End	4974
GI	5852181	Score	77
Exons	1302..1767, 4949..4974		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	28761	Seq. ID	OJ000250_52.0214.C24
Gene No.	59417	Strand	-
Start	1302	End	7744
Name	OJ000250_52.0214.C24.o2.np	Method	AAT/NAP
Start	4315	End	5994
GI	6539588	Score	202
Exons	4315..4428, 5662..5994		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28761	Seq. ID	OJ000250_52.0214.C24
Gene No.	59417	Strand	-
Start	1302	End	7744
Name	OJ000250_52.0214.C24.o3.gs	Method	GENSCAN
Start	5505	End	7744
GI	none	Score	.63
Exons	5505..5619, 5693..5784, 5867..5967, 6775..6859, 6947..7039, 7132..7211, 7353..7378, 7494..7744		

Seq. No.	28762	Seq. ID	OJ000250_52.0214.C25
Gene No.	59418	Strand	+
Start	1262	End	1347
Name	OJ000250_52.0214.C25.o1.np	Method	AAT/NAP
Start	1262	End	1347
GI	6630699	Score	76
Exons	1262..1347		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	28762	Seq. ID	OJ000250_52.0214.C25
Gene No.	59419	Strand	+
Start	1479	End	3464
Name	OJ000250_52.0214.C25.o2.np	Method	AAT/NAP
Start	1479	End	3464
GI	6539570	Score	220
Exons	1479..1681, 1817..1894, 3446..3464		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28762	Seq. ID	OJ000250_52.0214.C25
Gene No.	59419	Strand	+
Start	1479	End	3464
Name	OJ000250_52.0214.C25.o3.np	Method	AAT/NAP
Start	1479	End	1887
GI	6539570	Score	220
Exons	1479..1681, 1817..1887		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28762	Seq. ID	OJ000250_52.0214.C25

Gene No.	59419	Strand	+
Start	1479	End	3464
Name	OJ000250_52.0214.C25.o1.gs	Method	GENSCAN
Start	1521	End	1711
GI	none	Score	.5
Exons	1521..1711		

Seq. No.	28763	Seq. ID	OJ000250_53.0228.C1
Gene No.	59420	Strand	-
Start	1	End	446
Name	OJ000250_53.0228.C1.o1.np	Method	AAT/NAP
Start	1	End	372
GI	6006359	Score	50
Exons	1..20, 276..372		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	28763	Seq. ID	OJ000250_53.0228.C1
Gene No.	59420	Strand	-
Start	1	End	446
Name	OJ000250_53.0228.C1.o1.gs	Method	GENSCAN
Start	168	End	446
GI	none	Score	.85
Exons	168..446		

Seq. No.	28764	Seq. ID	OJ000250_53.0228.C2
Gene No.	59421	Strand	+
Start	263	End	1303
Name	OJ000250_53.0228.C2.o1.np	Method	AAT/NAP
Start	263	End	1303
GI	6721512	Score	72
Exons	263..354, 382..517, 1264..1303		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28764	Seq. ID	OJ000250_53.0228.C2
Gene No.	59422	Strand	+
Start	1207	End	1303
Name	OJ000250_53.0228.C2.o2.np	Method	AAT/NAP
Start	1207	End	1303
GI	6721558	Score	107
Exons	1207..1303		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28764	Seq. ID	OJ000250_53.0228.C2
Gene No.	59423	Strand	-
Start	786	End	923
Name	OJ000250_53.0228.C2.o1.gs	Method	GENSCAN
Start	786	End	923
GI	none	Score	.6
Exons	786..923		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59424	Strand	+
Start	1	End	4032
Name	OJ000250_53.0228.C3.o1.np	Method	AAT/NAP
Start	1	End	4032

GI	6907089	Score	283
Exons	1..594, 3980..4032		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59424	Strand	+
Start	1	End	4032
Name	OJ000250_53.0228.C3.o1.gs	Method	GENSCAN
Start	131	End	2938
GI	none	Score	.92
Exons	131..273, 508..594, 676..800, 869..1063, 1134..1192, 1321..2034, 2171..2267, 2417..2938		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59424	Strand	+
Start	1	End	4032
Name	OJ000250_53.0228.C3.o2.np	Method	AAT/NAP
Start	563	End	2035
GI	6721561	Score	1040
Exons	563..631, 869..1063, 1134..1192, 1273..2035		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o2.gs	Method	GENSCAN
Start	3551	End	4764
GI	none	Score	.76
Exons	3551..3931, 3995..4117, 4555..4764		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o3.np	Method	AAT/NAP
Start	3554	End	4824
GI	5902445	Score	1223
Exons	3554..4824		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o1.tw	Method	TBLASTX:Wheat
Start	3563	End	4171
GI	none	Score	63
Exons	3563..3694, 3567..3689, 3719..4171, 3915..4022		

Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o2.tm	Method	TBLASTX:Maize
Start	3599	End	3865
GI	none	Score	47

Exons	3599..3682, 3600..3692, 3677..3796, 3683..3865		
Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o2.tw	Method	TBLASTX:Wheat
Start	4294	End	4677
GI	none	Score	192
Exons	4294..4677, 4295..4669		
Seq. No.	28765	Seq. ID	OJ000250_53.0228.C3
Gene No.	59425	Strand	-
Start	3551	End	4824
Name	OJ000250_53.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	4372	End	4677
GI	none	Score	179
Exons	4372..4677, 4373..4660		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o1.np	Method	AAT/NAP
Start	1	End	1192
GI	5902445	Score	1136
Exons	1..1192		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o1.gs	Method	GENSCAN
Start	4	End	936
GI	none	Score	.99
Exons	4..936		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o2.tw	Method	TBLASTX:Wheat
Start	55	End	463
GI	none	Score	62
Exons	55..231, 56..178, 238..462, 245..463		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o1.ts	Method	TBLASTX:Soybean
Start	553	End	961
GI	none	Score	83
Exons	553..948, 794..946, 830..961		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o1.tw	Method	TBLASTX:Wheat
Start	608	End	1033
GI	none	Score	299

Exons	608..1033, 610..1032		
Seq. No.	28766	Seq. ID	OJ000250_53.0228.C4
Gene No.	59426	Strand	-
Start	1	End	1192
Name	OJ000250_53.0228.C4.o1.tm	Method	TBLASTX:Maize
Start	706	End	1089
GI	none	Score	197
Exons	706..1089, 707..1054		
Seq. No.	28767	Seq. ID	OJ000250_53.0228.C5
Gene No.	59427	Strand	-
Start	1	End	625
Name	OJ000250_53.0228.C5.o1.np	Method	AAT/NAP
Start	1	End	625
GI	6630696	Score	1010
Exons	1..625		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	28768	Seq. ID	OJ000250_53.0228.C6
Gene No.	59428	Strand	+
Start	2	End	754
Name	OJ000250_53.0228.C6.o1.gs	Method	GENSCAN
Start	2	End	754
GI	none	Score	.42
Exons	2..136, 180..389, 666..754		
Seq. No.	28769	Seq. ID	OJ000250_53.0228.C7
Gene No.	59429	Strand	-
Start	1	End	5067
Name	OJ000250_53.0228.C7.o1.np	Method	AAT/NAP
Start	1	End	4007
GI	4206306	Score	2895
Exons	1..3744, 3918..4007		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	28769	Seq. ID	OJ000250_53.0228.C7
Gene No.	59429	Strand	-
Start	1	End	5067
Name	OJ000250_53.0228.C7.o1.gs	Method	GENSCAN
Start	96	End	5067
GI	none	Score	.42
Exons	96..911, 1002..1672, 1906..2005, 2085..2684, 2776..3090, 3244..4746, 4918..5067		
Seq. No.	28770	Seq. ID	OJ000250_53.0228.C8
Gene No.	59430	Strand	-
Start	1	End	771
Name	OJ000250_53.0228.C8.o1.np	Method	AAT/NAP
Start	1	End	771
GI	5042447	Score	364
Exons	1..411, 708..771		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	28770	Seq. ID	OJ000250_53.0228.C8

Gene No.	59430	Strand	-
Start	1	End	771
Name	OJ000250_53.0228.C8.o1.gs	Method	GENSCAN
Start	183	End	411
GI	none	Score	.5
Exons	183..411		

Seq. No.	28771	Seq. ID	OJ000250_53.0228.C9
Gene No.	59431	Strand	+
Start	3424	End	4767
Name	OJ000250_53.0228.C9.o2.gs	Method	GENSCAN
Start	3424	End	4767
GI	none	Score	.96
Exons	3424..3510, 4523..4645, 4759..4767		

Seq. No.	28771	Seq. ID	OJ000250_53.0228.C9
Gene No.	59432	Strand	+
Start	8343	End	11648
Name	OJ000250_53.0228.C9.o3.np	Method	AAT/NAP
Start	8343	End	11648
GI	6907089	Score	4262
Exons	8343..9604, 9704..11648		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	28771	Seq. ID	OJ000250_53.0228.C9
Gene No.	59433	Strand	-
Start	1	End	3935
Name	OJ000250_53.0228.C9.o1.np	Method	AAT/NAP
Start	1	End	3935
GI	6063554	Score	274
Exons	1..77, 723..750, 1068..1290, 1408..1604, 1648..1739, 3915..3935		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28771	Seq. ID	OJ000250_53.0228.C9
Gene No.	59433	Strand	-
Start	1	End	3935
Name	OJ000250_53.0228.C9.o2.np	Method	AAT/NAP
Start	1	End	2551
GI	6630696	Score	390
Exons	1..21, 1401..1480, 2274..2551		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28771	Seq. ID	OJ000250_53.0228.C9
Gene No.	59434	Strand	-
Start	12271	End	12405
Name	OJ000250_53.0228.C9.o4.np	Method	AAT/NAP
Start	12271	End	12405
GI	6498441	Score	208
Exons	12271..12405		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o1.np	Method	AAT/NAP
Start	1	End	2069
GI	6498441	Score	2615
Exons	1..1145, 1317..1798, 1991..2069		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o1.gs	Method	GENSCAN
Start	8	End	1885
GI	none	Score	.42
Exons	8..1075, 1106..1253, 1331..1885		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o1.tw	Method	TBLASTX:Wheat
Start	12	End	366
GI	none	Score	164
Exons	12..365, 16..264, 310..366		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o1.tm	Method	TBLASTX:Maize
Start	180	End	503
GI	none	Score	192
Exons	180..503, 193..474		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o3.tw	Method	TBLASTX:Wheat
Start	696	End	1008
GI	none	Score	67
Exons	696..956, 832..1008		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o1.ts	Method	TBLASTX:Soybean
Start	756	End	1322
GI	5666795	Score	68
Exons	756..956, 1011..1148, 1224..1322		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	28772	Seq. ID	OJ000250_53.0228.C10
Gene No.	59435	Strand	-
Start	1	End	2069
Name	OJ000250_53.0228.C10.o2.tw	Method	TBLASTX:Wheat
Start	1011	End	1471

GI	none	Score	87
Exons	1011..1160, 1012..1149, 1014..1151, 1207..1362, 1221..1361, 1358..1444, 1379..1471		

Seq. No.	28773	Seq. ID	OJ000250_53.0228.C11
Gene No.	59436	Strand	-
Start	1	End	1903
Name	OJ000250_53.0228.C11.o1.np	Method	AAT/NAP
Start	1	End	1625
GI	6498441	Score	1887
Exons	1..231, 562..1625		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28773	Seq. ID	OJ000250_53.0228.C11
Gene No.	59436	Strand	-
Start	1	End	1903
Name	OJ000250_53.0228.C11.o2.tw	Method	TBLASTX:Wheat
Start	1	End	347
GI	none	Score	55
Exons	1..78, 2..79, 77..346, 78..152, 185..334, 210..347		

Seq. No.	28773	Seq. ID	OJ000250_53.0228.C11
Gene No.	59436	Strand	-
Start	1	End	1903
Name	OJ000250_53.0228.C11.o1.gs	Method	GENSCAN
Start	64	End	1903
GI	none	Score	.71
Exons	64..1903		

Seq. No.	28773	Seq. ID	OJ000250_53.0228.C11
Gene No.	59436	Strand	-
Start	1	End	1903
Name	OJ000250_53.0228.C11.o1.tw	Method	TBLASTX:Wheat
Start	1085	End	1477
GI	none	Score	83
Exons	1085..1342, 1197..1358, 1325..1423, 1326..1406, 1430..1477		

Seq. No.	28773	Seq. ID	OJ000250_53.0228.C11
Gene No.	59436	Strand	-
Start	1	End	1903
Name	OJ000250_53.0228.C11.o1.tm	Method	TBLASTX:Maize
Start	1187	End	1472
GI	none	Score	81
Exons	1187..1435, 1188..1472		

Seq. No.	28774	Seq. ID	OJ000250_53.0228.C12
Gene No.	59437	Strand	-
Start	514	End	1319
Name	OJ000250_53.0228.C12.o1.gs	Method	GENSCAN
Start	514	End	1319
GI	none	Score	.81
Exons	514..747, 939..1067, 1172..1319		

Seq. No.	28775	Seq. ID	OJ000250_53.0228.C14
Gene No.	59438	Strand	

Start	1227	End	2210
Name	OJ000250_53.0228.C14.o1.tm	Method	TBLASTX:Maize
Start	1227	End	2210
GI	none	Score	75
Exons	1227..1343, 1227..1334, 1242..1337, 1253..1348, 1255..1359, 1258..1368, 1258..1335, 1259..1342, 1259..1330, 1261..1350, 1265..1345, 1367..1522, 1367..1489, 1377..1589, 1378..1485, 1385..1498, 1391..1492, 1393..1500, 1500..1640, 1509..1691, 1515..1655, 1532..1651, 1532..1654, 1533..1655, 1534..1698, 1540..1686, 1543..1677, 1548..1718, 1548..1688, 1628..1705, 1635..1712, 1635..1721, 1717..1806, 1720..1809, 1720..1782, 1720..1803, 1763..1807, 1766..1801, 1815..1886, 1817..1879, 1821..1871, 1821..1904, 1823..1894, 1825..1893, 1889..2035, 1922..1951, 1954..2028, 1970..2035, 2040..2105, 2042..2107, 2163..2210		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59439	Strand	+
Start	955	End	2637
Name	OJ000250_53.0228.C16.o1.np	Method	AAT/NAP
Start	955	End	2637
GI	5915857	Score	560
Exons	955..1486, 2617..2637		
GI Descrip.	CYTOCHROME P450 98A1 gi|2766448 (AF029856) cytochrome P450 CYP98A1 [Sorghum bicolor]		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59439	Strand	+
Start	955	End	2637
Name	OJ000250_53.0228.C16.o1.gp	Method	AAT/GAP
Start	2315	End	2637
GI	uC-osf1cyp176d12b1	Score	502
Exons	2315..2382, 2406..2637		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59440	Strand	-
Start	796	End	1504
Name	OJ000250_53.0228.C16.o1.gs	Method	GENSCAN
Start	796	End	1504
GI	none	Score	.83
Exons	796..1200, 1298..1504		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59440	Strand	-
Start	796	End	1504
Name	OJ000250_53.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	1022	End	1458
GI	none	Score	58
Exons	1022..1081, 1030..1080, 1077..1220, 1078..1221, 1079..1222, 1086..1223, 1229..1456, 1229..1453, 1237..1458		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59440	Strand	-
Start	796	End	1504
Name	OJ000250_53.0228.C16.o1.tw	Method	TBLASTX:Wheat

Start	1022	End	1363
GI	none	Score	83
Exons	1022..1081, 1030..1080, 1062..1250, 1078..1251, 1229..1363, 1237..1362		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59440	Strand	-
Start	796	End	1504
Name	OJ000250_53.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	1039	End	1462
GI	none	Score	55
Exons	1039..1080, 1046..1081, 1062..1214, 1078..1221, 1229..1462, 1231..1437		

Seq. No.	28776	Seq. ID	OJ000250_53.0228.C16
Gene No.	59440	Strand	-
Start	796	End	1504
Name	OJ000250_53.0228.C16.o1.tc	Method	TBLASTX:Cress
Start	1055	End	1453
GI	none	Score	157
Exons	1055..1093, 1077..1214, 1078..1221, 1229..1453, 1240..1452		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59441	Strand	+
Start	892	End	6541
Name	OJ000250_53.0228.C18.o1.np	Method	AAT/NAP
Start	892	End	6541
GI	6498441	Score	6891
Exons	892..1956, 2287..2750, 2814..3187, 3371..3505, 3680..4023, 4216..4596, 4768..6166, 6260..6541		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59442	Strand	+
Start	6703	End	7164
Name	OJ000250_53.0228.C18.o1.gp	Method	AAT/GAP
Start	6703	End	7164
GI	2428323	Score	846
Exons	6703..7164		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59443	Strand	+
Start	11534	End	12370
Name	OJ000250_53.0228.C18.o3.gs	Method	GENSCAN
Start	11534	End	12370
GI	none	Score	.76
Exons	11534..11620, 11857..12027, 12368..12370		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59444	Strand	-
Start	7172	End	10389
Name	OJ000250_53.0228.C18.o2.gs	Method	GENSCAN
Start	7172	End	10389

GI	none	Score	.8
Exons	7172..7318, 7424..7716, 7850..9033, 9129..9875, 9902..10389		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59444	Strand	-
Start	7172	End	10389
Name	OJ000250_53.0228.C18.o2.np	Method	AAT/NAP
Start	7175	End	10389
GI	5803259	Score	5081
Exons	7175..9033, 9129..10389		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o6.tw	Method	TBLASTX:Wheat
Start	1041	End	1433
GI	none	Score	58
Exons	1041..1088, 1095..1193, 1100..1192, 1160..1399, 1176..1433		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o5.tm	Method	TBLASTX:Maize
Start	1046	End	1331
GI	none	Score	197
Exons	1046..1330, 1083..1331		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o3.tw	Method	TBLASTX:Wheat
Start	2171	End	2666
GI	none	Score	414
Exons	2171..2308, 2172..2666, 2366..2626, 2436..2630		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o1.tw	Method	TBLASTX:Wheat
Start	2822	End	3284
GI	none	Score	587
Exons	2822..3277, 2823..3284, 2823..3278		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o1.tm	Method	TBLASTX:Maize
Start	2952	End	3308
GI	none	Score	392
Exons	2952..3308, 2987..3298, 3003..3308		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o3.tm	Method	TBLASTX:Maize
Start	3335	End	3701

GI	none	Score	342
Exons	3335..3700, 3336..3701		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o2.tw	Method	TBLASTX:Wheat
Start	3392	End	3813
GI	none	Score	359
Exons	3392..3703, 3393..3701, 3495..3737, 3691..3813, 3699..3806		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o1.ts	Method	TBLASTX:Soybean
Start	3471	End	3843
GI	none	Score	181
Exons	3471..3704, 3488..3631, 3700..3843		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o5.tw	Method	TBLASTX:Wheat
Start	4468	End	4903
GI	none	Score	236
Exons	4468..4719, 4468..4665, 4533..4709, 4753..4842, 4764..4841, 4844..4900, 4847..4903		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o8.tw	Method	TBLASTX:Wheat
Start	4906	End	5218
GI	none	Score	192
Exons	4906..5082, 4958..5218		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o2.tm	Method	TBLASTX:Maize
Start	5411	End	5734
GI	none	Score	360
Exons	5411..5734, 5440..5721		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o4.tw	Method	TBLASTX:Wheat
Start	5548	End	5929
GI	none	Score	375
Exons	5548..5604, 5549..5929, 5645..5890, 5650..5898		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o7.tw	Method	TBLASTX:Wheat
Start	5930	End	6532

GI	none	Score	265
Exons	5930..6214, 5935..6213, 6406..6528, 6407..6532		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o3.np	Method	AAT/NAP
Start	11204	End	12060
GI	5922623	Score	211
Exons	11204..11279, 11447..11599, 11976..12060		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o4.np	Method	AAT/NAP
Start	11764	End	14540
GI	1076641	Score	148
Exons	11764..11788, 14234..14337, 14430..14540		
GI Descrip.	tau-protein kinase (EC 2.7.1.135) homolog - common tobacco gi|456356|emb|CAA54803| (X77763) shaggy like protein kinase [Nicotiana tabacum] gi|1094395|prf||2106142A Ser/Thr protein kinase [Nicotiana tabacum]		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o5.np	Method	AAT/NAP
Start	12999	End	17845
GI	322759	Score	87
Exons	12999..13026, 16228..16768, 17674..17845		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi|19927|emb|CAA78393| (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o2.gp	Method	AAT/GAP
Start	13628	End	14293
GI	uC-osflcyp112h11a1	Score	878
Exons	13628..13977, 14074..14122, 14234..14293		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o4.gs	Method	GENSCAN
Start	14185	End	20349
GI	none	Score	.76
Exons	14185..14337, 14430..14540, 15083..15148, 16084..16253, 16332..16425, 16559..16630, 16727..16860, 18305..18356, 18389..18448, 18822..18863, 19400..19406, 19598..19718, 20103..20349		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o4.tm	Method	TBLASTX:Maize
Start	14233	End	14628
GI	none	Score	116
Exons	14233..14340, 14249..14338, 14407..14628, 14433..14627		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o3.gp	Method	AAT/GAP
Start	15229	End	15611
GI	3107859	Score	752
Exons	15229..15611		

Seq. No.	28777	Seq. ID	OJ000250_53.0228.C18
Gene No.	59445	Strand	-
Start	11204	End	20349
Name	OJ000250_53.0228.C18.o4.gp	Method	AAT/GAP
Start	16694	End	16867
GI	uC-osrocyp011c06b1	Score	327
Exons	16694..16867		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28778	Seq. ID	OJ000250_53.0228.C19
Gene No.	59446	Strand	-
Start	1	End	1156
Name	OJ000250_53.0228.C19.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	4680203	Score	161
Exons	1..45, 568..928, 1114..1156		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28778	Seq. ID	OJ000250_53.0228.C19
Gene No.	59446	Strand	-
Start	1	End	1156
Name	OJ000250_53.0228.C19.o1.gs	Method	GENSCAN
Start	547	End	930
GI	none	Score	.64
Exons	547..654, 694..930		

Seq. No.	28779	Seq. ID	OJ000250_53.0228.C20
Gene No.	59447	Strand	+
Start	1687	End	1788
Name	OJ000250_53.0228.C20.o1.gs	Method	GENSCAN
Start	1687	End	1788
GI	none	Score	.95
Exons	1687..1788		

Seq. No.	28779	Seq. ID	OJ000250_53.0228.C20
Gene No.	59448	Strand	-
Start	2209	End	2283
Name	OJ000250_53.0228.C20.o2.gs	Method	GENSCAN
Start	2209	End	2283

GI	none	Score	.48
Exons	2209..2283		

Seq. No.	28780	Seq. ID	OJ000250_53.0228.C21
Gene No.	59449	Strand	+
Start	28	End	2261
Name	OJ000250_53.0228.C21.o1.gp	Method	AAT/GAP
Start	28	End	2261
GI	2311800	Score	658
Exons	28..118, 2001..2261		

Seq. No.	28780	Seq. ID	OJ000250_53.0228.C21
Gene No.	59450	Strand	-
Start	539	End	4425
Name	OJ000250_53.0228.C21.o1.gs	Method	GENSCAN
Start	539	End	4010
GI	none	Score	.61
Exons	539..641, 1061..1230, 1249..1401, 2016..2141, 2936..3008, 3187..3314, 3639..4010		

Seq. No.	28780	Seq. ID	OJ000250_53.0228.C21
Gene No.	59450	Strand	-
Start	539	End	4425
Name	OJ000250_53.0228.C21.o1.np	Method	AAT/NAP
Start	1929	End	3746
GI	99922	Score	166
Exons	1929..2037, 3430..3746		
GI Descrip.	hypothetical protein - soybean gi|930025|emb|CAA31883| (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	28780	Seq. ID	OJ000250_53.0228.C21
Gene No.	59450	Strand	-
Start	539	End	4425
Name	OJ000250_53.0228.C21.o2.np	Method	AAT/NAP
Start	1934	End	4425
GI	4680203	Score	292
Exons	1934..2037, 3430..4289, 4326..4425		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28780	Seq. ID	OJ000250_53.0228.C21
Gene No.	59451	Strand	-
Start	5577	End	7085
Name	OJ000250_53.0228.C21.o2.gs	Method	GENSCAN
Start	5577	End	7085
GI	none	Score	.41
Exons	5577..5747, 6418..6503, 6505..6637, 7017..7085		

Seq. No.	28781	Seq. ID	OJ000250_53.0228.C22
Gene No.	59452	Strand	+
Start	1363	End	1886
Name	OJ000250_53.0228.C22.o1.gp	Method	AAT/GAP
Start	1363	End	1886
GI	none	Score	1039
Exons	1363..1886		

Seq. No.	28782	Seq. ID	OJ000250_53.0228.C23
Gene No.	59453	Strand	-

Start	1	End	837
Name	OJ000250_53.0228.C23.o1.gp	Method	AAT/GAP
Start	1	End	578
GI	uC-osflcyp174f11b1	Score	950
Exons	1..203, 287..578		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	28782	Seq. ID	OJ000250_53.0228.C23
Gene No.	59453	Strand	-
Start	1	End	837
Name	OJ000250_53.0228.C23.o1.gs	Method	GENSCAN
Start	89	End	837
GI	none	Score	.61
Exons	89..203, 287..371, 774..837		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o1.np	Method	AAT/NAP
Start	1	End	820
GI	5902445	Score	904
Exons	1..820		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	328
GI	none	Score	90
Exons	2..328, 168..311		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o2.tw	Method	TBLASTX:Wheat
Start	2	End	203
GI	none	Score	123
Exons	2..202, 3..203		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o2.tm	Method	TBLASTX:Maize
Start	80	End	465
GI	none	Score	200
Exons	80..382, 99..383, 363..464, 379..465		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o1.tw	Method	TBLASTX:Wheat
Start	203	End	623
GI	none	Score	115
Exons	203..361, 216..353, 372..623, 376..621		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o1.gs	Method	GENSCAN
Start	333	End	589
GI	none	Score	.54
Exons	333..589		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o1.tm	Method	TBLASTX:Maize
Start	492	End	813
GI	none	Score	117
Exons	492..725, 492..761, 502..762, 766..813		

Seq. No.	28783	Seq. ID	OJ000250_53.0228.C24
Gene No.	59454	Strand	-
Start	1	End	820
Name	OJ000250_53.0228.C24.o3.tw	Method	TBLASTX:Wheat
Start	624	End	765
GI	none	Score	98
Exons	624..764, 624..761, 625..765		

Seq. No.	28784	Seq. ID	OJ000250_53.0228.C25
Gene No.	59455	Strand	-
Start	11	End	166
Name	OJ000250_53.0228.C25.o1.gs	Method	GENSCAN
Start	11	End	166
GI	none	Score	.8
Exons	11..166		

Seq. No.	28785	Seq. ID	OJ000250_53.0228.C26
Gene No.	59456	Strand	-
Start	333	End	539
Name	OJ000250_53.0228.C26.o1.gs	Method	GENSCAN
Start	333	End	539
GI	none	Score	.55
Exons	333..539		

Seq. No.	28786	Seq. ID	OJ000250_53.0228.C27
Gene No.	59457	Strand	+
Start	1	End	501
Name	OJ000250_53.0228.C27.o1.gp	Method	AAT/GAP
Start	1	End	501
GI	LIB3477-003-P1-K1-E9	Score	154
Exons	1..77, 467..501		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28786	Seq. ID	OJ000250_53.0228.C27
Gene No.	59458	Strand	+
Start	524	End	2309
Name	OJ000250_53.0228.C27.o1.gs	Method	GENSCAN
Start	524	End	2309
GI	none	Score	.56

Exons	524..751, 1762..1958, 2026..2185, 2198..2309		
Seq. No.	28787	Seq. ID	OJ000250_53.0228.C28
Gene No.	59459	Strand	+
Start	309	End	497
Name	OJ000250_53.0228.C28.o1.gs	Method	GENSCAN
Start	309	End	497
GI	none	Score	.93
Exons	309..497		
Seq. No.	28787	Seq. ID	OJ000250_53.0228.C28
Gene No.	59460	Strand	+
Start	798	End	2950
Name	OJ000250_53.0228.C28.o2.np	Method	AAT/NAP
Start	798	End	2950
GI	5922620	Score	130
Exons	798..947, 1307..1332, 2643..2950		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	28787	Seq. ID	OJ000250_53.0228.C28
Gene No.	59461	Strand	-
Start	1	End	532
Name	OJ000250_53.0228.C28.o1.np	Method	AAT/NAP
Start	1	End	532
GI	6539570	Score	119
Exons	1..20, 86..159, 330..532		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	28788	Seq. ID	OJ000250_53.0228.C29
Gene No.	59462	Strand	-
Start	189	End	1292
Name	OJ000250_53.0228.C29.o1.gs	Method	GENSCAN
Start	189	End	1292
GI	none	Score	.58
Exons	189..259, 578..693, 945..1035, 1247..1292		
Seq. No.	28788	Seq. ID	OJ000250_53.0228.C29
Gene No.	59462	Strand	-
Start	189	End	1292
Name	OJ000250_53.0228.C29.o1.np	Method	AAT/NAP
Start	735	End	1173
GI	6539570	Score	135
Exons	735..801, 971..1173		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59463	Strand	+
Start	4780	End	10710
Name	OJ000250_53.0228.C30.o1.np	Method	AAT/NAP
Start	4769	End	8501
GI	6006864	Score	1156
Exons	4769..5027, 5064..6119, 6408..6541, 6750..6990, 7087..7292, 7517..7669, 8167..8501		

GI Descrip. (AC009540) hypothetical protein [Arabidopsis thaliana]

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59463	Strand	+
Start	4780	End	10710
Name	OJ000250_53.0228.C30.o2.gs	Method	GENSCAN
Start	4780	End	8409
GI	none	Score	.72
Exons	4780..5854, 6018..6119, 6408..6541, 6750..6990, 7087..7298, 7416..7462, 7567..7669, 8173..8409		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59463	Strand	+
Start	4780	End	10710
Name	OJ000250_53.0228.C30.o2.np	Method	AAT/NAP
Start	6456	End	10710
GI	3810595	Score	100
Exons	6456..6532, 10361..10710		

GI Descrip. (AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	5068	End	5715
GI	none	Score	351
Exons	5068..5571, 5079..5459, 5542..5715, 5545..5715		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o2.tc	Method	TBLASTX:Cress
Start	5095	End	5874
GI	none	Score	213
Exons	5095..5532, 5155..5244, 5202..5315, 5227..5463, 5245..5511, 5292..5396, 5539..5715, 5545..5874, 5551..5718, 5560..5664, 5770..5811		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o1.ts	Method	TBLASTX:Soybean
Start	5134	End	5862
GI	none	Score	120
Exons	5134..5445, 5155..5337, 5157..5336, 5305..5862		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o2.tm	Method	TBLASTX:Maize
Start	5748	End	6824
GI	none	Score	133
Exons	5748..5936, 5748..6020, 5770..5940, 5982..6023, 6003..6116, 6019..6120, 6020..6115, 6406..6450, 6407..6472, 6464..6544, 6464..6541, 6466..6546, 6466..6543, 6747..6824, 6747..6821, 6749..6823		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	6406	End	7220
GI	none	Score	115
Exons	6406..6525, 6407..6535, 6740..6901, 6750..6905, 6755..6904, 6905..6994, 6906..6989, 7089..7220, 7109..7198		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	6917	End	7280
GI	none	Score	82
Exons	6917..6991, 6918..6992, 7085..7279, 7086..7280		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	7092	End	7301
GI	none	Score	136
Exons	7092..7181, 7092..7181, 7196..7300, 7200..7301		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o3.tc	Method	TBLASTX:Cress
Start	8137	End	8391
GI	none	Score	187
Exons	8137..8379, 8232..8378, 8251..8391		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o3.gs	Method	GENSCAN
Start	9130	End	11081
GI	none	Score	.53
Exons	9130..9410, 9818..9999, 10095..10218, 10799..11081		

Seq. No.	28789	Seq. ID	OJ000250_53.0228.C30
Gene No.	59464	Strand	-
Start	9130	End	11081
Name	OJ000250_53.0228.C30.o4.tm	Method	TBLASTX:Maize
Start	10295	End	10725
GI	none	Score	74
Exons	10295..10501, 10486..10620, 10500..10574, 10618..10725, 10629..10697		

Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59465	Strand	+
Start	316	End	706
Name	OJ000250_53.0228.C31.o1.gs	Method	GENSCAN
Start	316	End	706
GI	none	Score	.92

Exons	316..706		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59466	Strand	+
Start	790	End	3492
Name	OJ000250_53.0228.C31.o2.np	Method	AAT/NAP
Start	790	End	3492
GI	6466937	Score	134
Exons	790..979, 1422..1596, 1947..2157, 3460..3492		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o1.np	Method	AAT/NAP
Start	1	End	2860
GI	4335745	Score	77
Exons	1..29, 1332..1573, 2772..2860		
GI Descrip.	(AC006284) putative esterase [Arabidopsis thaliana]		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o2.gs	Method	GENSCAN
Start	1093	End	8629
GI	none	Score	.84
Exons	1093..1530, 1566..1709, 3376..3564, 4831..4920, 5095..5188, 5819..5891, 5995..6103, 8561..8629		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o1.gp	Method	AAT/GAP
Start	3244	End	3546
GI	none	Score	558
Exons	3244..3546		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o2.tm	Method	TBLASTX:Maize
Start	3424	End	3847
GI	none	Score	142
Exons	3424..3558, 3426..3566, 3434..3583, 3785..3847		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31
Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o3.np	Method	AAT/NAP
Start	4743	End	8982
GI	6572067	Score	336
Exons	4743..4920, 5095..5188, 5812..5891, 6077..6117, 6217..6252, 8529..8660, 8837..8982		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	28790	Seq. ID	OJ000250_53.0228.C31

Gene No.	59467	Strand	-
Start	1	End	8982
Name	OJ000250_53.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	4856	End	8634
GI	none	Score	70
Exons	4856..4921, 4858..4941, 4858..4920, 5093..5188, 5093..5188, 5095..5196, 5095..5196, 5815..5889, 5816..5890, 5817..5891, 5818..5892, 5995..6105, 5996..6106, 5996..6106, 8553..8633, 8561..8632, 8563..8634		

Seq. No.	28791	Seq. ID	OJ000250_53.0228.C32
Gene No.	59468	Strand	+
Start	1	End	1296
Name	OJ000250_53.0228.C32.o2.np	Method	AAT/NAP
Start	1	End	1296
GI	6069646	Score	208
Exons	1..24, 554..887, 1163..1296		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28791	Seq. ID	OJ000250_53.0228.C32
Gene No.	59469	Strand	-
Start	1	End	1296
Name	OJ000250_53.0228.C32.o1.np	Method	AAT/NAP
Start	1	End	1296
GI	6572067	Score	142
Exons	1..115, 191..261, 1255..1296		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	28791	Seq. ID	OJ000250_53.0228.C32
Gene No.	59469	Strand	-
Start	1	End	1296
Name	OJ000250_53.0228.C32.o2.tm	Method	TBLASTX:Maize
Start	6	End	259
GI	none	Score	89
Exons	6..116, 6..101, 13..117, 14..121, 32..118, 91..246, 185..259, 190..258		

Seq. No.	28791	Seq. ID	OJ000250_53.0228.C32
Gene No.	59469	Strand	-
Start	1	End	1296
Name	OJ000250_53.0228.C32.o1.gs	Method	GENSCAN
Start	191	End	690
GI	none	Score	.88
Exons	191..261, 576..690		

Seq. No.	28791	Seq. ID	OJ000250_53.0228.C32
Gene No.	59469	Strand	-
Start	1	End	1296
Name	OJ000250_53.0228.C32.o1.tm	Method	TBLASTX:Maize
Start	585	End	1099
GI	none	Score	76
Exons	585..728, 604..675, 731..1012, 733..1008, 989..1099, 1045..1095		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59470	Strand	+
Start	1	End	268
Name	OJ000250_53.0228.C33.o1.np	Method	AAT/NAP
Start	1	End	268
GI	6069646	Score	177
Exons	1..268		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59471	Strand	-
Start	8	End	3657
Name	OJ000250_53.0228.C33.o1.tm	Method	TBLASTX:Maize
Start	3	End	509
GI	none	Score	46
Exons	3..47, 8..52, 48..290, 56..286, 285..410, 333..434, 492..509		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59471	Strand	-
Start	8	End	3657
Name	OJ000250_53.0228.C33.o1.gs	Method	GENSCAN
Start	8	End	2330
GI	none	Score	.74
Exons	8..176, 1078..1155, 1346..1432, 1812..1945, 2082..2162, 2253..2330		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59471	Strand	-
Start	8	End	3657
Name	OJ000250_53.0228.C33.o1.tw	Method	TBLASTX:Wheat
Start	56	End	245
GI	none	Score	209
Exons	56..244, 60..245		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59471	Strand	-
Start	8	End	3657
Name	OJ000250_53.0228.C33.o2.np	Method	AAT/NAP
Start	1066	End	3657
GI	6572067	Score	320
Exons	1066..1155, 1346..1432, 1812..1930, 2008..2162, 2288..2330, 2413..2478, 3616..3657		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	28792	Seq. ID	OJ000250_53.0228.C33
Gene No.	59471	Strand	-
Start	8	End	3657
Name	OJ000250_53.0228.C33.o2.tm	Method	TBLASTX:Maize
Start	1361	End	2472
GI	none	Score	105
Exons	1361..1435, 1361..1438, 1371..1436, 1792..1920, 1809..1919, 2078..2161, 2080..2163, 2080..2160, 2081..2164, 2283..2336, 2283..2348, 2296..2358, 2411..2461, 2413..2460, 2452..2472		

Seq. No.	28793	Seq. ID	OJ000250_53.0228.C34
Gene No.	59472	Strand	+
Start	1	End	1588
Name	OJ000250_53.0228.C34.o1.np	Method	AAT/NAP
Start	1	End	421
GI	6069646	Score	180
Exons	1..421		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	28793	Seq. ID	OJ000250_53.0228.C34
Gene No.	59472	Strand	+
Start	1	End	1588
Name	OJ000250_53.0228.C34.o1.tm	Method	TBLASTX:Maize
Start	6	End	430
GI	none	Score	201
Exons	6..215, 8..142, 250..393, 251..430		

Seq. No.	28793	Seq. ID	OJ000250_53.0228.C34
Gene No.	59472	Strand	+
Start	1	End	1588
Name	OJ000250_53.0228.C34.o1.tw	Method	TBLASTX:Wheat
Start	6	End	1441
GI	none	Score	142
Exons	6..203, 6..164, 245..403, 248..328, 250..330, 1355..1441		

Seq. No.	28793	Seq. ID	OJ000250_53.0228.C34
Gene No.	59472	Strand	+
Start	1	End	1588
Name	OJ000250_53.0228.C34.o2.tm	Method	TBLASTX:Maize
Start	1330	End	1588
GI	none	Score	191
Exons	1330..1473, 1331..1588, 1373..1474		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.gp	Method	AAT/GAP
Start	1	End	355
GI	44750_1.R1084	Score	686
Exons	1..355		
GI Descrip.	'1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.np	Method	AAT/NAP
Start	1	End	333
GI	6572067	Score	283
Exons	1..333		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	361
GI	none	Score	366
Exons	1..354, 5..361		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.ts	Method	TBLASTX:Soybean
Start	1	End	310
GI	none	Score	201
Exons	1..309, 2..310		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.tc	Method	TBLASTX:Cress
Start	25	End	309
GI	none	Score	133
Exons	25..309, 26..307		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.gs	Method	GENSCAN
Start	135	End	353
GI	none	Score	.42
Exons	135..353		

Seq. No.	28794	Seq. ID	OJ000250_53.0228.C35
Gene No.	59473	Strand	-
Start	1	End	361
Name	OJ000250_53.0228.C35.o1.tw	Method	TBLASTX:Wheat
Start	161	End	361
GI	none	Score	143
Exons	161..361, 163..354		

Seq. No.	28795	Seq. ID	OJ000250_53.0228.C36
Gene No.	59475	Strand	-
Start	3574	End	4201
Name	OJ000250_53.0228.C36.o2.gs	Method	GENSCAN
Start	3574	End	4201
GI	none	Score	.44
Exons	3574..3915, 4023..4201		

Seq. No.	28796	Seq. ID	OJ000250_53.0228.C37
Gene No.	59476	Strand	-
Start	54	End	180
Name	OJ000250_53.0228.C37.o1.gs	Method	GENSCAN
Start	54	End	180
GI	none	Score	.52
Exons	54..180		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59477	Strand	+
Start	460	End	4072
Name	OJ000250_53.0228.C38.o1.gs	Method	GENSCAN
Start	460	End	1517
GI	none	Score	.82
Exons	460..954, 1131..1517		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59477	Strand	+
Start	460	End	4072
Name	OJ000250_53.0228.C38.o3.np	Method	AAT/NAP
Start	475	End	3354
GI	6705984	Score	423
Exons	475..534, 2900..3354		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59477	Strand	+
Start	460	End	4072
Name	OJ000250_53.0228.C38.o2.np	Method	AAT/NAP
Start	733	End	3586
GI	6721562	Score	417
Exons	733..954, 1326..1656, 1906..2525, 3543..3586		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59477	Strand	+
Start	460	End	4072
Name	OJ000250_53.0228.C38.o4.np	Method	AAT/NAP
Start	2530	End	4072
GI	6498436	Score	303
Exons	2530..2614, 3733..4072		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59478	Strand	-
Start	1	End	2391
Name	OJ000250_53.0228.C38.o1.np	Method	AAT/NAP
Start	1	End	2119
GI	6721512	Score	82
Exons	1..101, 239..385, 413..517, 2080..2119		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59478	Strand	-
Start	1	End	2391
Name	OJ000250_53.0228.C38.o2.tw	Method	TBLASTX:Wheat
Start	1999	End	2391
GI	none	Score	64
Exons	1999..2043, 2044..2157, 2067..2147, 2116..2391, 2130..2336		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38

Gene No.	59478	Strand	-
Start	1	End	2391
Name	OJ000250_53.0228.C38.o2.tm	Method	TBLASTX:Maize
Start	2023	End	2277
GI	none	Score	180
Exons	2023..2277		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59479	Strand	
Start	2885	End	3364
Name	OJ000250_53.0228.C38.o1.tw	Method	TBLASTX:Wheat
Start	2885	End	3336
GI	none	Score	263
Exons	2885..3142, 2897..3148, 2920..3147, 3147..3233, 3152..3331, 3161..3313, 3172..3336		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59479	Strand	
Start	2885	End	3364
Name	OJ000250_53.0228.C38.o1.ts	Method	TBLASTX:Soybean
Start	2924	End	3343
GI	none	Score	172
Exons	2924..3193, 2965..3189, 2981..3193, 3185..3343, 3202..3333		

Seq. No.	28797	Seq. ID	OJ000250_53.0228.C38
Gene No.	59479	Strand	
Start	2885	End	3364
Name	OJ000250_53.0228.C38.o1.tm	Method	TBLASTX:Maize
Start	3112	End	3364
GI	none	Score	201
Exons	3112..3246, 3113..3346, 3140..3364		

Seq. No.	28798	Seq. ID	OJ000250_53.0228.C39
Gene No.	59480	Strand	+
Start	485	End	1060
Name	OJ000250_53.0228.C39.o1.np	Method	AAT/NAP
Start	485	End	1057
GI	5902444	Score	401
Exons	485..1057		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28798	Seq. ID	OJ000250_53.0228.C39
Gene No.	59480	Strand	+
Start	485	End	1060
Name	OJ000250_53.0228.C39.o1.gs	Method	GENSCAN
Start	572	End	1060
GI	none	Score	.99
Exons	572..1060		

Seq. No.	28798	Seq. ID	OJ000250_53.0228.C39
Gene No.	59481	Strand	+
Start	1124	End	1286
Name	OJ000250_53.0228.C39.o1.tw	Method	TBLASTX:Wheat
Start	494	End	1176
GI	none	Score	64
Exons	494..604, 641..877, 643..729, 645..803, 653..820, 802..867, 935..1174, 1055..1171, 1078..1176		

Seq. No.	28798	Seq. ID	OJ000250_53.0228.C39
Gene No.	59481	Strand	+
Start	1124	End	1286
Name	OJ000250_53.0228.C39.o2.np	Method	AAT/NAP
Start	1124	End	1286
GI	5902445	Score	174
Exons	1124..1286		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28799	Seq. ID	OJ000250_53.0228.C40
Gene No.	59482	Strand	+
Start	1	End	734
Name	OJ000250_53.0228.C40.o1.np	Method	AAT/NAP
Start	1	End	734
GI	4680179	Score	979
Exons	1..734		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28799	Seq. ID	OJ000250_53.0228.C40
Gene No.	59482	Strand	+
Start	1	End	734
Name	OJ000250_53.0228.C40.o1.gs	Method	GENSCAN
Start	23	End	690
GI	none	Score	.6
Exons	23..690		

Seq. No.	28800	Seq. ID	OJ000250_53.0228.C42
Gene No.	59483	Strand	+
Start	2	End	610
Name	OJ000250_53.0228.C42.o1.np	Method	AAT/NAP
Start	84	End	610
GI	586238	Score	911
Exons	84..610		
GI Descrip.	VIVIPAROUS PROTEIN HOMOLOG gi|632294|pir||S48899 VP1 protein (OSVP1) - Oryza sativa gi|391885|dbj|BAA04066.1| (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	28800	Seq. ID	OJ000250_53.0228.C42
Gene No.	59484	Strand	-
Start	46	End	508
Name	OJ000250_53.0228.C42.o1.gs	Method	GENSCAN
Start	46	End	508
GI	none	Score	.65
Exons	46..508		

Seq. No.	28801	Seq. ID	OJ000250_53.0228.C44
Gene No.	59485	Strand	-
Start	60	End	1431
Name	OJ000250_53.0228.C44.o1.gs	Method	GENSCAN
Start	60	End	1431
GI	none	Score	.52
Exons	60..406, 554..734, 823..898, 971..1363, 1379..1431		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846

Name	OJ000250_53.0228.C47.o1.np	Method	AAT/NAP
Start	1	End	846
GI	4680179	Score	1289
Exons	1..846		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o2.tw	Method	TBLASTX:Wheat
Start	8	End	250
GI	none	Score	220
Exons	8..250, 12..248		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o1.ts	Method	TBLASTX:Soybean
Start	9	End	358
GI	none	Score	168
Exons	9..254, 10..231, 11..322, 282..320, 326..358, 327..356		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o2.tm	Method	TBLASTX:Maize
Start	9	End	229
GI	none	Score	73
Exons	9..95, 14..229		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o1.gs	Method	GENSCAN
Start	52	End	811
GI	none	Score	.92
Exons	52..811		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o1.tm	Method	TBLASTX:Maize
Start	245	End	676
GI	none	Score	79
Exons	245..676, 252..446, 458..637		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846
Name	OJ000250_53.0228.C47.o1.tw	Method	TBLASTX:Wheat
Start	299	End	785
GI	none	Score	260
Exons	299..676, 342..785, 731..781		

Seq. No.	28802	Seq. ID	OJ000250_53.0228.C47
Gene No.	59486	Strand	-
Start	1	End	846

Name	OJ000250_53.0228.C47.o1.tc	Method	TBLASTX:Cress
Start	335	End	652
GI	none	Score	55
Exons	335..652, 482..622		

Seq. No.	28803	Seq. ID	OJ000250_53.0228.C48
Gene No.	59487	Strand	+
Start	1	End	496
Name	OJ000250_53.0228.C48.o1.np	Method	AAT/NAP
Start	1	End	496
GI	2894559	Score	124
Exons	1..103, 263..349, 475..496		
GI Descrip.	(AL021890) putative protein [Arabidopsis thaliana]		

Seq. No.	28804	Seq. ID	OJ000250_53.0228.C49
Gene No.	59488	Strand	+
Start	1	End	698
Name	OJ000250_53.0228.C49.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6630696	Score	1076
Exons	1..698		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28804	Seq. ID	OJ000250_53.0228.C49
Gene No.	59488	Strand	+
Start	1	End	698
Name	OJ000250_53.0228.C49.o1.gs	Method	GENSCAN
Start	315	End	650
GI	none	Score	.59
Exons	315..650		

Seq. No.	28805	Seq. ID	OJ000250_53.0228.C50
Gene No.	59489	Strand	+
Start	928	End	1113
Name	OJ000250_53.0228.C50.o1.gs	Method	GENSCAN
Start	928	End	1113
GI	none	Score	.66
Exons	928..1113		

Seq. No.	28805	Seq. ID	OJ000250_53.0228.C50
Gene No.	59490	Strand	-
Start	2112	End	4926
Name	OJ000250_53.0228.C50.o2.gs	Method	GENSCAN
Start	2112	End	4926
GI	none	Score	.64
Exons	2112..2253, 2675..2840, 2983..3158, 3622..3701, 4030..4068, 4451..4490, 4817..4926		

Seq. No.	28805	Seq. ID	OJ000250_53.0228.C50
Gene No.	59491	Strand	-
Start	6551	End	8840
Name	OJ000250_53.0228.C50.o1.np	Method	AAT/NAP
Start	6537	End	8840
GI	1171577	Score	391
Exons	6537..7247, 7311..7543, 8812..8840		

GI Descrip. (X95343) hypersensitivity-related gene [Nicotiana tabacum]

Seq. No.	28805	Seq. ID	OJ000250_53.0228.C50
Gene No.	59491	Strand	-
Start	6551	End	8840
Name	OJ000250_53.0228.C50.o3.gs	Method	GENSCAN
Start	6551	End	7255
GI	none	Score	.82
Exons	6551..7255		

Seq. No.	28806	Seq. ID	OJ000250_53.0228.C51
Gene No.	59492	Strand	-
Start	1	End	211
Name	OJ000250_53.0228.C51.o1.np	Method	AAT/NAP
Start	1	End	211
GI	1171577	Score	110
Exons	1..211		

GI Descrip. (X95343) hypersensitivity-related gene [Nicotiana tabacum]

Seq. No.	28806	Seq. ID	OJ000250_53.0228.C51
Gene No.	59492	Strand	-
Start	1	End	211
Name	OJ000250_53.0228.C51.o1.gs	Method	GENSCAN
Start	23	End	193
GI	none	Score	.83
Exons	23..193		

Seq. No.	28807	Seq. ID	OJ000250_53.0228.C59
Gene No.	59495	Strand	-
Start	1	End	471
Name	OJ000250_53.0228.C59.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6729029	Score	160
Exons	1..144, 248..301, 427..471		

GI Descrip. (AC009177) putative branched-chain amino acid aminotransferase [Arabidopsis thaliana]

Seq. No.	28807	Seq. ID	OJ000250_53.0228.C59
Gene No.	59495	Strand	-
Start	1	End	471
Name	OJ000250_53.0228.C59.o1.gs	Method	GENSCAN
Start	61	End	301
GI	none	Score	.92
Exons	61..144, 248..301		

Seq. No.	28808	Seq. ID	OJ000250_53.0228.C60
Gene No.	59496	Strand	-
Start	1	End	116
Name	OJ000250_53.0228.C60.o1.np	Method	AAT/NAP
Start	1	End	116
GI	2586082	Score	140
Exons	1..116		

GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No.	28809	Seq. ID	OJ000250_53.0228.C62
Gene No.	59497	Strand	-
Start	16	End	213

Name	OJ000250_53.0228.C62.o1.gs	Method	GENSCAN
Start	16	End	213
GI	none	Score	.88
Exons	16..108, 175..213		

Seq. No.	28810	Seq. ID	OJ000250_53.0228.C64
Gene No.	59498	Strand	-
Start	1	End	428
Name	OJ000250_53.0228.C64.o1.np	Method	AAT/NAP
Start	1	End	428
GI	6630696	Score	637
Exons	1..428		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	28810	Seq. ID	OJ000250_53.0228.C64
Gene No.	59498	Strand	-
Start	1	End	428
Name	OJ000250_53.0228.C64.o1.gs	Method	GENSCAN
Start	151	End	328
GI	none	Score	.53
Exons	151..328		

Seq. No.	28811	Seq. ID	OJ000250_53.0228.C66
Gene No.	59499	Strand	+
Start	1	End	725
Name	OJ000250_53.0228.C66.o1.np	Method	AAT/NAP
Start	1	End	725
GI	4680179	Score	669
Exons	1..725		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28811	Seq. ID	OJ000250_53.0228.C66
Gene No.	59499	Strand	+
Start	1	End	725
Name	OJ000250_53.0228.C66.o1.gs	Method	GENSCAN
Start	19	End	669
GI	none	Score	.7
Exons	19..245, 342..669		

Seq. No.	28811	Seq. ID	OJ000250_53.0228.C66
Gene No.	59499	Strand	+
Start	1	End	725
Name	OJ000250_53.0228.C66.o1.tw	Method	TBLASTX:Wheat
Start	88	End	450
GI	none	Score	286
Exons	88..450, 103..252, 120..449		

Seq. No.	28811	Seq. ID	OJ000250_53.0228.C66
Gene No.	59499	Strand	+
Start	1	End	725
Name	OJ000250_53.0228.C66.o1.tm	Method	TBLASTX:Maize
Start	331	End	636
GI	none	Score	221
Exons	331..636, 345..509		

Seq. No.	28812	Seq. ID	OJ000250_53.0228.C69
Gene No.	59500	Strand	+
Start	1	End	814
Name	OJ000250_53.0228.C69.o1.np	Method	AAT/NAP
Start	1	End	811
GI	4680179	Score	1153
Exons	1..811		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28812	Seq. ID	OJ000250_53.0228.C69
Gene No.	59500	Strand	+
Start	1	End	814
Name	OJ000250_53.0228.C69.o1.tw	Method	TBLASTX:Wheat
Start	1	End	433
GI	none	Score	112
Exons	1..198, 1..321, 2..433, 179..430		

Seq. No.	28812	Seq. ID	OJ000250_53.0228.C69
Gene No.	59500	Strand	+
Start	1	End	814
Name	OJ000250_53.0228.C69.o1.tm	Method	TBLASTX:Maize
Start	2	End	586
GI	none	Score	214
Exons	2..148, 13..141, 145..213, 145..570, 146..586		

Seq. No.	28812	Seq. ID	OJ000250_53.0228.C69
Gene No.	59500	Strand	+
Start	1	End	814
Name	OJ000250_53.0228.C69.o1.gs	Method	GENSCAN
Start	62	End	814
GI	none	Score	.99
Exons	62..814		

Seq. No.	28812	Seq. ID	OJ000250_53.0228.C69
Gene No.	59500	Strand	+
Start	1	End	814
Name	OJ000250_53.0228.C69.o2.tw	Method	TBLASTX:Wheat
Start	436	End	766
GI	none	Score	313
Exons	436..702, 437..766		

Seq. No.	28813	Seq. ID	OJ000250_53.0228.C71
Gene No.	59501	Strand	+
Start	420	End	1817
Name	OJ000250_53.0228.C71.o1.gs	Method	GENSCAN
Start	420	End	1817
GI	none	Score	.41
Exons	420..538, 1704..1817		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59502	Strand	+
Start	1	End	3356
Name	OJ000250_53.0228.C72.o1.np	Method	AAT/NAP
Start	1	End	3145
GI	4680186	Score	270
Exons	1..38, 331..430, 2041..2096, 2940..3145		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59502	Strand	+
Start	1	End	3356
Name	OJ000250_53.0228.C72.o1.gs	Method	GENSCAN
Start	143	End	659
GI	none	Score	.65
Exons	143..288, 331..418, 561..659		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59502	Strand	+
Start	1	End	3356
Name	OJ000250_53.0228.C72.o2.gs	Method	GENSCAN
Start	1381	End	3356
GI	none	Score	.72
Exons	1381..1471, 1518..1648, 2940..3093, 3352..3356		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59503	Strand	+
Start	4008	End	4116
Name	OJ000250_53.0228.C72.o2.np	Method	AAT/NAP
Start	4008	End	4116
GI	4680185	Score	111
Exons	4008..4116		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59504	Strand	-
Start	2692	End	3073
Name	OJ000250_53.0228.C72.o1.gp	Method	AAT/GAP
Start	2692	End	3073
GI	uC-osflcyp033a04b1	Score	651
Exons	2692..3073		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28814	Seq. ID	OJ000250_53.0228.C72
Gene No.	59505	Strand	-
Start	3491	End	4067
Name	OJ000250_53.0228.C72.o3.gs	Method	GENSCAN
Start	3491	End	4067
GI	none	Score	.83
Exons	3491..3576, 3872..4067		

Seq. No.	28815	Seq. ID	OJ000250_53.0228.C73
Gene No.	59506	Strand	+
Start	1173	End	1682
Name	OJ000250_53.0228.C73.o1.gs	Method	GENSCAN
Start	1173	End	1682
GI	none	Score	.63
Exons	1173..1476, 1548..1682		

Seq. No.	28815	Seq. ID	OJ000250_53.0228.C73
Gene No.	59507	Strand	+
Start	2648	End	4628
Name	OJ000250_53.0228.C73.o2.gp	Method	AAT/GAP
Start	2550	End	2932

GI	uC-osflcyp033a04b1	Score	704
Exons	2550..2932		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	28815	Seq. ID	OJ000250_53.0228.C73
Gene No.	59507	Strand	+
Start	2648	End	4628
Name	OJ000250_53.0228.C73.o2.gs	Method	GENSCAN
Start	2648	End	4628
GI	none	Score	.93
Exons	2648..2719, 3819..4628		

Seq. No.	28815	Seq. ID	OJ000250_53.0228.C73
Gene No.	59508	Strand	-
Start	1223	End	4894
Name	OJ000250_53.0228.C73.o1.np	Method	AAT/NAP
Start	1223	End	4894
GI	5852180	Score	640
Exons	1223..1631, 1683..1800, 2781..2836, 4862..4894		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	28816	Seq. ID	OJ000250_53.0228.C74
Gene No.	59509	Strand	+
Start	19	End	1560
Name	OJ000250_53.0228.C74.o1.gs	Method	GENSCAN
Start	19	End	1560
GI	none	Score	.57
Exons	19..1560		

Seq. No.	28816	Seq. ID	OJ000250_53.0228.C74
Gene No.	59509	Strand	+
Start	19	End	1560
Name	OJ000250_53.0228.C74.o1.ts	Method	TBLASTX:Soybean
Start	970	End	1332
GI	none	Score	195
Exons	970..1332		

Seq. No.	28816	Seq. ID	OJ000250_53.0228.C74
Gene No.	59509	Strand	+
Start	19	End	1560
Name	OJ000250_53.0228.C74.o1.np	Method	AAT/NAP
Start	977	End	1429
GI	3377834	Score	157
Exons	977..1429		
GI Descrip.	(AF075598) No definition line found [Arabidopsis thaliana]		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.gp	Method	AAT/GAP
Start	2389	End	2681
GI	LIB3433-053-P1-K1-G4	Score	546
Exons	2389..2681		
GI Descrip.	'401190/sp|P31110|TLP_ORYSA 3.0e-11 THAUMATIN-LIKE PROTEIN PRECURSOR >gi_100715_pir__S25551 thaumatin-like protein - rice >gi_20376_emb_CAA48278_ (X68197) thaumatin-like protein [Oryza		

sativa]'

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.tm	Method	TBLASTX:Maize
Start	2571	End	3025
GI	none	Score	153
Exons	2571..2771, 2573..2770, 2585..2779, 2762..2794, 2765..2824, 2766..2822, 2873..3025, 2874..3023		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.gs	Method	GENSCAN
Start	2576	End	3115
GI	none	Score	.92
Exons	2576..3115		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.np	Method	AAT/NAP
Start	2579	End	3112
GI	401190	Score	846
Exons	2579..3112		
GI Descrip.	THAUMATIN-LIKE PROTEIN PRECURSOR gi|100715|pir||S25551 thaumatin-like protein - rice gi|20376|emb|CAA48278| (X68197) thaumatin-like protein [Oryza sativa]		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.tc	Method	TBLASTX:Cress
Start	2579	End	3025
GI	none	Score	75
Exons	2579..2707, 2696..2758, 2771..2986, 2966..3025		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.ts	Method	TBLASTX:Soybean
Start	2642	End	3026
GI	none	Score	170
Exons	2642..2791, 2642..2824, 2655..2810, 2873..3025, 2874..3026		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194
Name	OJ000250_49.0214.C2.o1.tw	Method	TBLASTX:Wheat
Start	2693	End	3008
GI	none	Score	59
Exons	2693..2770, 2694..2771, 2768..3007, 2874..3008		

Seq. No.	28817	Seq. ID	OJ000250_49.0214.C2
Gene No.	59510	Strand	-
Start	2576	End	3194

Name	OJ000250_49.0214.C2.o2.gp	Method	AAT/GAP
Start	2799	End	3194
GI	334_2.R1084	Score	726
Exons	2799..3194		
GI Descrip.	'401190/sp|P31110|TLP_ORYSA 5.0e-25 THAUMATIN-LIKE PROTEIN PRECURSOR >gi_100715_pir__S25551 thaumatin-like protein - rice >gi_20376_emb_CAA48278_ (X68197) thaumatin-like protein [Oryza sativa]'		

Seq. No.	28818	Seq. ID	OJ000250_49.0214.C3
Gene No.	59511	Strand	-
Start	2243	End	2986
Name	OJ000250_49.0214.C3.o1.gs	Method	GENSCAN
Start	2243	End	2986
GI	none	Score	.7
Exons	2243..2282, 2898..2986		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59512	Strand	+
Start	186	End	304
Name	OJ000250_49.0214.C4.o1.gp	Method	AAT/GAP
Start	186	End	304
GI	uC-osflcyp178d01a1	Score	210
Exons	186..304		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59513	Strand	+
Start	3204	End	3544
Name	OJ000250_49.0214.C4.o2.gs	Method	GENSCAN
Start	3204	End	3544
GI	none	Score	.68
Exons	3204..3292, 3532..3544		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59514	Strand	+
Start	4425	End	5288
Name	OJ000250_49.0214.C4.o2.np	Method	AAT/NAP
Start	4425	End	5138
GI	1373392	Score	868
Exons	4425..5138		
GI Descrip.	(U57787) permatin precursor [Avena sativa]		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59514	Strand	+
Start	4425	End	5288
Name	OJ000250_49.0214.C4.o3.gs	Method	GENSCAN
Start	4425	End	5141
GI	none	Score	1
Exons	4425..5141		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59514	Strand	+
Start	4425	End	5288
Name	OJ000250_49.0214.C4.o2.gp	Method	AAT/GAP
Start	4679	End	4856

GI	2797857	Score	238
Exons	4679..4856		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59514	Strand	+
Start	4425	End	5288
Name	OJ000250_49.0214.C4.o3.gp	Method	AAT/GAP
Start	5003	End	5288
GI	2798514	Score	495
Exons	5003..5288		
GI Descrip.	2454602 2.0e-11 (AF016327) Barperm1 [Hordeum vulgare]		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o4.gp	Method	AAT/GAP
Start	11786	End	12378
GI	2310235	Score	292
Exons	11786..11827, 12240..12378		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o6.gs	Method	GENSCAN
Start	12240	End	15574
GI	none	Score	.66
Exons	12240..12699, 12880..13052, 13358..13467, 13561..15574		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o5.gp	Method	AAT/GAP
Start	12244	End	16335
GI	342_1.R1084	Score	6641
Exons	12244..15652, 15784..15881, 15991..16335		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o6.gp	Method	AAT/GAP
Start	12244	End	16334
GI	342_1.R1084	Score	6639
Exons	12244..15652, 15784..15881, 15991..16334		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o7.gp	Method	AAT/GAP
Start	12244	End	16328
GI	342_1.R1084	Score	6627
Exons	12244..15652, 15784..15881, 15991..16328		

GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o4.np	Method	AAT/NAP
Start	12252	End	15553
GI	4680203	Score	3316
Exons	12252..13915, 14069..14299, 14576..15553		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59515	Strand	+
Start	11786	End	16506
Name	OJ000250_49.0214.C4.o8.gp	Method	AAT/GAP
Start	12413	End	16506
GI	342_1.R1084	Score	6743
Exons	12413..15652, 15784..15881, 15991..16506		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59516	Strand	-
Start	197	End	745
Name	OJ000250_49.0214.C4.o1.gs	Method	GENSCAN
Start	197	End	745
GI	none	Score	.99
Exons	197..745		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59516	Strand	-
Start	197	End	745
Name	OJ000250_49.0214.C4.o1.np	Method	AAT/NAP
Start	200	End	739
GI	401190	Score	775
Exons	200..739		
GI Descrip.	THAUMATIN-LIKE PROTEIN PRECURSOR gi|100715|pir||S25551 thaumatin-like protein - rice gi|20376|emb|CAA48278| (X68197) thaumatin-like protein [Oryza sativa]		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o1.ts	Method	TBLASTX:Soybean
Start	197	End	5138
GI	none	Score	219
Exons	197..259, 254..295, 317..385, 401..655, 411..650, 4509..4562, 4553..4690, 4554..4754, 4791..4868, 4878..4988, 4886..4951, 5010..5138, 5026..5100		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o2.tm	Method	TBLASTX:Maize
Start	197	End	5140
GI	none	Score	365

Exons	197..259, 254..295, 4872..5138, 4883..5137, 4988..5140		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o1.tc	Method	TBLASTX:Cress
Start	200	End	5138
GI	none	Score	148
Exons	200..328, 317..385, 401..616, 411..617, 596..658, 4500..4754, 4514..4690, 4791..4853, 4796..4849, 4890..4988, 4898..4966, 4986..5102, 5009..5101, 5112..5138		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o4.tw	Method	TBLASTX:Wheat
Start	314	End	4970
GI	none	Score	53
Exons	314..391, 315..392, 389..637, 390..629, 4521..4562, 4526..4561, 4553..4711, 4554..4754, 4791..4844, 4796..4843, 4814..4855, 4859..4936, 4886..4969, 4887..4970		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o1.tm	Method	TBLASTX:Maize
Start	332	End	4754
GI	none	Score	559
Exons	332..778, 333..659, 692..712, 712..744, 753..776, 4500..4562, 4517..4561, 4553..4717, 4554..4754		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o6.tw	Method	TBLASTX:Wheat
Start	5947	End	8757
GI	none	Score	62
Exons	5947..5997, 8365..8622, 8477..8638, 8605..8703, 8606..8686, 8710..8757		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o3.np	Method	AAT/NAP
Start	6134	End	10058
GI	5042454	Score	3536
Exons	6134..6189, 6411..6987, 7140..7337, 7720..9429, 9485..9595, 9923..10058		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o6.tm	Method	TBLASTX:Maize
Start	7719	End	7862
GI	none	Score	120
Exons	7719..7862, 7723..7857		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59517	Strand	-
Start	6134	End	10058
Name	OJ000250_49.0214.C4.o5.tm	Method	TBLASTX:Maize
Start	8467	End	8752
GI	none	Score	89
Exons	8467..8715, 8468..8752		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59518	Strand	
Start	12591	End	12947
Name	OJ000250_49.0214.C4.o5.tw	Method	TBLASTX:Wheat
Start	12591	End	12947
GI	none	Score	99
Exons	12591..12698, 12681..12932, 12689..12931, 12690..12947, 12691..12942		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59519	Strand	
Start	12863	End	13738
Name	OJ000250_49.0214.C4.o2.ts	Method	TBLASTX:Soybean
Start	12863	End	13292
GI	none	Score	102
Exons	12863..12946, 12864..12938, 12939..13001, 12996..13292, 13050..13274		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59519	Strand	
Start	12863	End	13738
Name	OJ000250_49.0214.C4.o3.tc	Method	TBLASTX:Cress
Start	13025	End	13340
GI	none	Score	288
Exons	13025..13177, 13032..13340, 13217..13312		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59519	Strand	
Start	12863	End	13738
Name	OJ000250_49.0214.C4.o2.tw	Method	TBLASTX:Wheat
Start	13161	End	13632
GI	none	Score	72
Exons	13161..13214, 13169..13213, 13215..13319, 13226..13315, 13336..13422, 13337..13423, 13403..13627, 13424..13627, 13426..13632		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59519	Strand	
Start	12863	End	13738
Name	OJ000250_49.0214.C4.o3.tm	Method	TBLASTX:Maize
Start	13218	End	13666
GI	none	Score	108
Exons	13218..13340, 13337..13465, 13472..13666		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59519	Strand	
Start	12863	End	13738
Name	OJ000250_49.0214.C4.o3.ts	Method	TBLASTX:Soybean

Start	13496	End	13738
GI	none	Score	212
Exons	13496..13738		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59520	Strand	
Start	13771	End	14181
Name	OJ000250_49.0214.C4.o3.tw	Method	TBLASTX:Wheat
Start	13771	End	14181
GI	none	Score	78
Exons	13771..13821, 13772..13834, 13840..14022, 13844..14062, 14090..14179, 14095..14181, 14096..14179		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59521	Strand	
Start	14182	End	15499
Name	OJ000250_49.0214.C4.o1.tw	Method	TBLASTX:Wheat
Start	14182	End	15499
GI	none	Score	881
Exons	14182..15084, 14183..15100, 15095..15139, 15099..15137, 15142..15237, 15146..15205, 15184..15324, 15185..15325, 15338..15418, 15407..15499		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59521	Strand	
Start	14182	End	15499
Name	OJ000250_49.0214.C4.o4.tm	Method	TBLASTX:Maize
Start	14225	End	14539
GI	none	Score	310
Exons	14225..14539, 14236..14511, 14309..14539		

Seq. No.	28819	Seq. ID	OJ000250_49.0214.C4
Gene No.	59521	Strand	
Start	14182	End	15499
Name	OJ000250_49.0214.C4.o2.tc	Method	TBLASTX:Cress
Start	14466	End	14917
GI	none	Score	176
Exons	14466..14648, 14470..14907, 14470..14913, 14474..14917, 14480..14917		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59522	Strand	+
Start	170	End	835
Name	OJ000250_49.0214.C5.o1.gs	Method	GENSCAN
Start	170	End	835
GI	none	Score	.97
Exons	170..835		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59523	Strand	+
Start	1854	End	5554
Name	OJ000250_49.0214.C5.o1.np	Method	AAT/NAP
Start	1839	End	3462
GI	4680204	Score	759
Exons	1839..3275, 3350..3462		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59523	Strand	+
Start	1854	End	5554
Name	OJ000250_49.0214.C5.o2.np	Method	AAT/NAP
Start	1839	End	5536
GI	4680204	Score	1035
Exons	1839..3275, 3350..4449, 4559..4732, 4829..5048, 5399..5536		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59523	Strand	+
Start	1854	End	5554
Name	OJ000250_49.0214.C5.o2.gs	Method	GENSCAN
Start	1854	End	5554
GI	none	Score	.64
Exons	1854..2744, 2811..3110, 3156..3275, 3387..3491, 3668..4449, 4559..4732, 4829..4939, 5024..5096, 5191..5289, 5369..5554		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59523	Strand	+
Start	1854	End	5554
Name	OJ000250_49.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	2480	End	2885
GI	none	Score	63
Exons	2480..2752, 2482..2622, 2484..2720, 2790..2885		

Seq. No.	28820	Seq. ID	OJ000250_49.0214.C5
Gene No.	59523	Strand	+
Start	1854	End	5554
Name	OJ000250_49.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	4376	End	4898
GI	none	Score	59
Exons	4376..4456, 4545..4727, 4595..4720, 4827..4898		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59524	Strand	+
Start	17	End	2676
Name	OJ000250_49.0214.C6.o1.gs	Method	GENSCAN
Start	17	End	2676
GI	none	Score	.81
Exons	17..49, 1407..1578, 1946..2676		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59524	Strand	+
Start	17	End	2676
Name	OJ000250_49.0214.C6.o1.gp	Method	AAT/GAP
Start	89	End	232
GI	21474_1.R1084	Score	254
Exons	89..232		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59525	Strand	+
Start	3285	End	3964
Name	OJ000250_49.0214.C6.o2.gs	Method	GENSCAN
Start	3285	End	3964

GI	none	Score	.59
Exons	3285..3311, 3749..3964		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59526	Strand	+
Start	6243	End	7741
Name	OJ000250_49.0214.C6.o3.gs	Method	GENSCAN
Start	6243	End	7741
GI	none	Score	.74
Exons	6243..6570, 6864..6876, 6928..7101, 7297..7741		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59526	Strand	+
Start	6243	End	7741
Name	OJ000250_49.0214.C6.o3.gp	Method	AAT/GAP
Start	7042	End	7497
GI	none	Score	715
Exons	7042..7236, 7320..7497		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59527	Strand	+
Start	14437	End	18264
Name	OJ000250_49.0214.C6.o5.gs	Method	GENSCAN
Start	14437	End	18264
GI	none	Score	.46
Exons	14437..14506, 18104..18264		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59528	Strand	-
Start	1939	End	2700
Name	OJ000250_49.0214.C6.o1.np	Method	AAT/NAP
Start	1939	End	2647
GI	1373392	Score	860
Exons	1939..2647		
GI Descrip.	(U57787) permatin precursor [Avena sativa]		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59528	Strand	-
Start	1939	End	2700
Name	OJ000250_49.0214.C6.o2.gp	Method	AAT/GAP
Start	2225	End	2700
GI	uC-osroM202020a10b1	Score	936
Exons	2225..2700		
GI Descrip.	'2454602 6.0e-47 (AF016327) Barperm1 [Hordeum vulgare]'		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59529	Strand	-
Start	3495	End	5593
Name	OJ000250_49.0214.C6.o2.np	Method	AAT/NAP
Start	3495	End	5593
GI	944916	Score	60
Exons	3495..3514, 5380..5593		
GI Descrip.	(U30322) cysteine proteinase [Mesembryanthemum crystallinum]		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177

Name	OJ000250_49.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	1939	End	2568
GI	none	Score	128
Exons	1939..1965, 1975..2067, 2089..2187, 2227..2289, 2308..2568, 2321..2539		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	1939	End	2562
GI	none	Score	174
Exons	1939..2199, 1940..2200, 2218..2289, 2219..2290, 2314..2514, 2315..2476, 2500..2562		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	1939	End	2559
GI	none	Score	59
Exons	1939..2067, 2089..2190, 2221..2298, 2222..2299, 2302..2559, 2324..2470		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	2107	End	2547
GI	none	Score	72
Exons	2107..2190, 2108..2191, 2221..2298, 2222..2299, 2299..2514, 2303..2470, 2506..2547		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o3.np	Method	AAT/NAP
Start	6150	End	19613
GI	1076802	Score	67
Exons	6150..6304, 7342..7663, 19552..19613		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o3.tm	Method	TBLASTX:Maize
Start	9363	End	19667
GI	none	Score	48
Exons	9363..9413, 9425..9472, 9427..9474, 9742..9789, 19404..19508, 19410..19508, 19412..19525, 19441..19515, 19611..19658, 19612..19659, 19614..19667, 19616..19666		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177

Name	OJ000250_49.0214.C6.o4.gp	Method	AAT/GAP
Start	19183	End	19736
GI	1632596	Score	742
Exons	19183..19513, 19614..19736		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o6.gs	Method	GENSCAN
Start	19411	End	20174
GI	none	Score	.86
Exons	19411..19513, 19614..19757, 19842..19923, 20020..20174		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o2.tc	Method	TBLASTX:Cress
Start	19412	End	20170
GI	none	Score	97
Exons	19412..19531, 19441..19515, 19614..19694, 19616..19696, 19860..19925, 19871..19924, 19984..20094, 20021..20170, 20022..20165		

Seq. No.	28821	Seq. ID	OJ000250_49.0214.C6
Gene No.	59530	Strand	-
Start	6150	End	20177
Name	OJ000250_49.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	19667	End	20177
GI	none	Score	132
Exons	19667..19759, 19668..19760, 19850..19924, 19860..19925, 20017..20175, 20018..20158, 20021..20176, 20022..20177, 20022..20177		

Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59531	Strand	-
Start	4552	End	5342
Name	OJ000250_49.0214.C7.o1.gp	Method	AAT/GAP
Start	4552	End	5342
GI	286374	Score	618
Exons	4552..4802, 5263..5342		

Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59532	Strand	-
Start	8878	End	10884
Name	OJ000250_49.0214.C7.o1.np	Method	AAT/NAP
Start	8878	End	10836
GI	4544462	Score	495
Exons	8878..9188, 9340..9369, 9614..9750, 9784..9926, 10643..10836		
GI Descrip.	(AC006580) NAM (no apical meristem)-like protein [Arabidopsis thaliana]		

Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59532	Strand	-
Start	8878	End	10884
Name	OJ000250_49.0214.C7.o2.gs	Method	GENSCAN
Start	9524	End	10884
GI	none	Score	.69

Exons	9524..9981, 10644..10884		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o1.tm	Method	TBLASTX:Maize
Start	9599	End	9898
GI	none	Score	74
Exons	9599..9742, 9629..9751, 9794..9898, 9804..9869		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o1.tw	Method	TBLASTX:Wheat
Start	9635	End	9895
GI	none	Score	63
Exons	9635..9751, 9656..9742, 9794..9895, 9798..9893		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o1.tc	Method	TBLASTX:Cress
Start	9647	End	10779
GI	none	Score	72
Exons	9647..9742, 9782..9895, 9783..9893, 9968..10066, 10639..10779		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o1.ts	Method	TBLASTX:Soybean
Start	9839	End	10800
GI	none	Score	102
Exons	9839..9895, 10643..10738, 10644..10796, 10645..10797, 10645..10800		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o2.tm	Method	TBLASTX:Maize
Start	10652	End	10800
GI	none	Score	95
Exons	10652..10786, 10652..10747, 10654..10794, 10654..10800		
Seq. No.	28822	Seq. ID	OJ000250_49.0214.C7
Gene No.	59533	Strand	-
Start	12153	End	13111
Name	OJ000250_49.0214.C7.o3.gs	Method	GENSCAN
Start	12153	End	13111
GI	none	Score	.75
Exons	12153..12234, 12987..13111		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59534	Strand	+
Start	676	End	791
Name	OJ000250_49.0214.C8.o1.gs	Method	GENSCAN
Start	676	End	791
GI	none	Score	.59

Exons	676..791		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59535	Strand	+
Start	2450	End	5456
Name	OJ000250_49.0214.C8.o1.gp	Method	AAT/GAP
Start	2230	End	5456
GI	10926_1.R1084	Score	2114
Exons	2230..2491, 2755..2832, 2928..3095, 3955..4003, 4205..4278, 4813..4906, 5045..5456		
GI Descrip.	'4741844/gb|AAD28731.1|AF112964_1 4.0e-86 (AF112964) small GTP-binding protein [Triticum aestivum]'		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59535	Strand	+
Start	2450	End	5456
Name	OJ000250_49.0214.C8.o1.np	Method	AAT/NAP
Start	2435	End	5151
GI	4741844	Score	741
Exons	2435..2491, 2755..2832, 2928..3095, 3955..4003, 4205..4278, 4813..4906, 5045..5151		
GI Descrip.	(AF112964) small GTP-binding protein [Triticum aestivum]		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59535	Strand	+
Start	2450	End	5456
Name	OJ000250_49.0214.C8.o2.gs	Method	GENSCAN
Start	2450	End	5298
GI	none	Score	.68
Exons	2450..2491, 2605..2832, 2928..3095, 3955..4003, 4205..4278, 4813..4906, 4937..5124, 5158..5298		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59536	Strand	+
Start	9210	End	10046
Name	OJ000250_49.0214.C8.o4.gs	Method	GENSCAN
Start	9210	End	10046
GI	none	Score	.71
Exons	9210..9512, 9705..10046		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59537	Strand	+
Start	12939	End	16315
Name	OJ000250_49.0214.C8.o5.gs	Method	GENSCAN
Start	12939	End	16315
GI	none	Score	.6
Exons	12939..13238, 14117..14423, 14429..15209, 15220..15310, 15461..15542, 16194..16315		
Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59537	Strand	+
Start	12939	End	16315
Name	OJ000250_49.0214.C8.o3.np	Method	AAT/NAP
Start	14468	End	15348
GI	6907106	Score	460
Exons	14468..15084, 15157..15348		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59538	Strand	+
Start	21624	End	24946
Name	OJ000250_49.0214.C8.o4.np	Method	AAT/NAP
Start	21624	End	24946
GI	6721512	Score	75
Exons	21624..21665, 22270..22379, 23215..23336, 24915..24946		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59539	Strand	+
Start	26015	End	27781
Name	OJ000250_49.0214.C8.o7.gs	Method	GENSCAN
Start	26015	End	27781
GI	none	Score	.86
Exons	26015..27781		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59539	Strand	+
Start	26015	End	27781
Name	OJ000250_49.0214.C8.o4.gp	Method	AAT/GAP
Start	26478	End	26924
GI	none	Score	817
Exons	26478..26924		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59540	Strand	-
Start	5881	End	10167
Name	OJ000250_49.0214.C8.o2.gp	Method	AAT/GAP
Start	5881	End	7525
GI	32126_1.R1084	Score	1471
Exons	5881..6299, 7139..7525		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59540	Strand	-
Start	5881	End	10167
Name	OJ000250_49.0214.C8.o2.np	Method	AAT/NAP
Start	5915	End	9991
GI	3250676	Score	1171
Exons	5915..6299, 7139..7887, 8554..8898, 9932..9991		
GI Descrip.	(AL024486) putative protein [Arabidopsis thaliana]		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59540	Strand	-
Start	5881	End	10167
Name	OJ000250_49.0214.C8.o3.gs	Method	GENSCAN
Start	5915	End	8952
GI	none	Score	.6
Exons	5915..6299, 7139..7511, 7530..7887, 8620..8952		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59540	Strand	-
Start	5881	End	10167

Name	OJ000250_49.0214.C8.o3.gp	Method	AAT/GAP
Start	9374	End	10167
GI	701549	Score	635
Exons	9374..9531, 9959..10167		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59541	Strand	-
Start	18972	End	24916
Name	OJ000250_49.0214.C8.o6.gs	Method	GENSCAN
Start	18972	End	24916
GI	none	Score	.51
Exons	18972..19038, 21544..21746, 21760..21933, 22162..22341, 23311..23565, 23717..23853, 24877..24916		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o2.tm	Method	TBLASTX:Maize
Start	2388	End	5269
GI	none	Score	122
Exons	2388..2492, 2748..2834, 2755..2832, 2755..2853, 2913..3101, 2927..3094, 2987..3109, 3953..4003, 3954..4004, 3955..4008, 3964..4008, 4202..4276, 4203..4280, 4204..4278, 4204..4299, 4812..4904, 4813..4911, 5043..5150, 5045..5155, 5184..5213, 5252..5269, 5253..5267		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o1.tw	Method	TBLASTX:Wheat
Start	2743	End	3101
GI	none	Score	67
Exons	2743..2838, 2930..3022, 2931..3101		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o1.tc	Method	TBLASTX:Cress
Start	2754	End	4911
GI	none	Score	115
Exons	2754..2828, 2755..2832, 2913..3101, 2927..3088, 3951..4010, 3967..4011, 4203..4280, 4204..4299, 4782..4904, 4810..4911		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o1.ts	Method	TBLASTX:Soybean
Start	2754	End	4911
GI	none	Score	116
Exons	2754..2828, 2755..2832, 2913..3101, 2927..3088, 2949..3095, 2980..3096, 3954..4010, 3964..4011, 4204..4278, 4803..4904, 4810..4911		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o1.tm	Method	TBLASTX:Maize

Start	6192	End	7525
GI	none	Score	143
Exons	6192..6305, 6221..6298, 7128..7520, 7134..7520, 7136..7525, 7219..7524		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o2.ts	Method	TBLASTX:Soybean
Start	7174	End	7395
GI	none	Score	93
Exons	7174..7377, 7214..7393, 7219..7395		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o2.tc	Method	TBLASTX:Cress
Start	7525	End	7710
GI	none	Score	72
Exons	7525..7710, 7526..7645		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o4.tm	Method	TBLASTX:Maize
Start	8764	End	9196
GI	none	Score	70
Exons	8764..8820, 8779..8913, 8808..8912, 8812..8916, 9015..9062, 9020..9064, 9094..9156, 9117..9146, 9137..9196, 9157..9195		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o5.tm	Method	TBLASTX:Maize
Start	14896	End	15270
GI	none	Score	95
Exons	14896..15009, 14904..15017, 14907..15002, 14915..15103, 14917..15249, 14918..15106, 15046..15270, 15068..15094, 15196..15249, 15210..15251		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o3.tm	Method	TBLASTX:Maize
Start	26992	End	27586
GI	none	Score	50
Exons	26992..27075, 26999..27046, 27029..27076, 27122..27295, 27124..27297, 27296..27415, 27337..27414, 27476..27586, 27496..27585		

Seq. No.	28823	Seq. ID	OJ000250_49.0214.C8
Gene No.	59542	Strand	-
Start	29626	End	30136
Name	OJ000250_49.0214.C8.o5.gp	Method	AAT/GAP
Start	29626	End	30136
GI	none	Score	875
Exons	29626..30136		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59543	Strand	-
Start	7135	End	12078
Name	OJ000250_48.0211.C1.o2.np	Method	AAT/NAP
Start	7135	End	12078
GI	282964	Score	687
Exons	7135..7255, 10429..10575, 10612..10762, 11672..11801, 11946..12078		
GI Descrip.	transforming protein (myb) homolog (clone myb.Ph3) - garden petunia gi|20563|emb|CAA78386| (Z13996) protein 1 [Petunia x hybrida]		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59543	Strand	-
Start	7135	End	12078
Name	OJ000250_48.0211.C1.o1.gp	Method	AAT/GAP
Start	7419	End	9003
GI	3718_1.R1084	Score	1415
Exons	7419..7854, 8699..9003		
GI Descrip.	'1945280/emb|Y11352|OSMYB1308 3.0e-11 O.sativa mRNA for myb factor, 1308 bp'		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59543	Strand	-
Start	7135	End	12078
Name	OJ000250_48.0211.C1.o2.gs	Method	GENSCAN
Start	7573	End	8968
GI	none	Score	.9
Exons	7573..7854, 8699..8968		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59543	Strand	-
Start	7135	End	12078
Name	OJ000250_48.0211.C1.o1.np	Method	AAT/NAP
Start	7576	End	8968
GI	6136559	Score	630
Exons	7576..7854, 8699..8968		
GI Descrip.	YCF65-LIKE PROTEIN PRECURSOR gi|2695931|emb|CAA10984| (AJ222779) hypothetical protein [Hordeum vulgare]		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59543	Strand	-
Start	7135	End	12078
Name	OJ000250_48.0211.C1.o3.gs	Method	GENSCAN
Start	9988	End	12078
GI	none	Score	1
Exons	9988..10762, 11672..11801, 11946..12078		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59544	Strand	-
Start	11996	End	12344
Name	OJ000250_48.0211.C1.o2.gp	Method	AAT/GAP
Start	11996	End	12344
GI	2431127	Score	631
Exons	11996..12344		
GI Descrip.	1945280/emb|Y11352|OSMYB1308 3.0e-11 O.sativa mRNA for myb		

factor, 1308 bp

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	7433	End	8974
GI	none	Score	65
Exons	7433..7495, 7440..7496, 7572..7667, 7573..7860, 7577..7870, 8895..8972, 8906..8974		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o1.tc	Method	TBLASTX:Cress
Start	7576	End	7858
GI	none	Score	222
Exons	7576..7818, 7583..7858		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o1.ts	Method	TBLASTX:Soybean
Start	7579	End	7859
GI	none	Score	274
Exons	7579..7848, 7580..7849, 7587..7859		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o2.tc	Method	TBLASTX:Cress
Start	10534	End	12103
GI	none	Score	145
Exons	10534..10554, 10633..10785, 10643..10774, 11660..11806, 11666..11794, 11671..11805, 11935..12078, 11945..12103		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o3.tm	Method	TBLASTX:Maize
Start	10535	End	11707
GI	none	Score	42
Exons	10535..10555, 10645..10785, 10646..10765, 11666..11707		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o2.ts	Method	TBLASTX:Soybean
Start	10633	End	12100
GI	none	Score	151
Exons	10633..10785, 10643..10765, 11660..11806, 11666..11791, 11671..11805, 11935..12099, 11945..12100		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o1.tw	Method	TBLASTX:Wheat

Start	11669	End	12082
GI	none	Score	156
Exons	11669..11806, 11669..11803, 11671..11805, 11927..12079, 11935..12078, 12008..12082		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o2.tm	Method	TBLASTX:Maize
Start	11707	End	12082
GI	none	Score	108
Exons	11707..11832, 11711..11833, 11951..12082, 11953..12081		

Seq. No.	28824	Seq. ID	OJ000250_48.0211.C1
Gene No.	59545	Strand	-
Start	13322	End	14520
Name	OJ000250_48.0211.C1.o4.gs	Method	GENSCAN
Start	13322	End	14520
GI	none	Score	.84
Exons	13322..13563, 14005..14098, 14253..14378, 14443..14520		

Seq. No.	28825	Seq. ID	OJ000250_48.0211.C2
Gene No.	59546	Strand	-
Start	32	End	118
Name	OJ000250_48.0211.C2.o1.gs	Method	GENSCAN
Start	32	End	118
GI	none	Score	.4
Exons	32..118		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59547	Strand	+
Start	3190	End	6703
Name	OJ000250_48.0211.C4.o2.gs	Method	GENSCAN
Start	3190	End	6703
GI	none	Score	.4
Exons	3190..3336, 4106..4208, 5901..6026, 6528..6703		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59547	Strand	+
Start	3190	End	6703
Name	OJ000250_48.0211.C4.o1.gp	Method	AAT/GAP
Start	3856	End	4661
GI	none	Score	1275
Exons	3856..4208, 4320..4661		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o3.tm	Method	TBLASTX:Maize
Start	240	End	458
GI	none	Score	236
Exons	240..443, 314..457, 324..458		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o3.gs	Method	GENSCAN

Start	7281	End	8631
GI	none	Score	1
Exons	7281..8631		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o2.np	Method	AAT/NAP
Start	7287	End	8644
GI	4008006	Score	831
Exons	7287..8644		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o2.gp	Method	AAT/GAP
Start	7311	End	7789
GI	uC-osroM202029e11a1	Score	954
Exons	7311..7789		
GI Descrip.	'4008006 1.0e-22 (AF084034) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	7422	End	7976
GI	none	Score	404
Exons	7422..7976, 7448..7606, 7479..7661, 7779..7868		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o1.tc	Method	TBLASTX:Cress
Start	7436	End	8633
GI	none	Score	286
Exons	7436..7735, 7437..7832, 7830..7970, 7838..7948, 8315..8617, 8316..8633		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o2.tm	Method	TBLASTX:Maize
Start	7460	End	7949
GI	none	Score	315
Exons	7460..7930, 7461..7949		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o2.ts	Method	TBLASTX:Soybean
Start	8315	End	8576
GI	none	Score	325
Exons	8315..8575, 8316..8576		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4

Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o1.tm	Method	TBLASTX:Maize
Start	8337	End	8635
GI	none	Score	471
Exons	8337..8633, 8367..8630, 8393..8635		

Seq. No.	28826	Seq. ID	OJ000250_48.0211.C4
Gene No.	59548	Strand	+
Start	7281	End	8644
Name	OJ000250_48.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	8349	End	8558
GI	none	Score	247
Exons	8349..8558, 8367..8555, 8393..8557		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59549	Strand	+
Start	1	End	7387
Name	OJ000250_48.0211.C5.o1.np	Method	AAT/NAP
Start	1	End	652
GI	4008006	Score	514
Exons	1..652		
GI Descrip.	(AF084034) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59549	Strand	+
Start	1	End	7387
Name	OJ000250_48.0211.C5.o1.gs	Method	GENSCAN
Start	51	End	7387
GI	none	Score	.49
Exons	51..690, 1115..1299, 1540..1556, 1679..1813, 2791..2913, 3369..4080, 4128..4263, 6140..6224, 6703..6747, 7211..7387		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59549	Strand	+
Start	1	End	7387
Name	OJ000250_48.0211.C5.o2.gp	Method	AAT/GAP
Start	3306	End	3838
GI	32155_1.R1084	Score	997
Exons	3306..3838		
GI Descrip.	'1946329 1.0e-51 (U69154) prohibitin [Nicotiana tabacum]'		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59549	Strand	+
Start	1	End	7387
Name	OJ000250_48.0211.C5.o2.np	Method	AAT/NAP
Start	3414	End	4255
GI	1946329	Score	1088
Exons	3414..4255		
GI Descrip.	(U69154) prohibitin [Nicotiana tabacum]		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59550	Strand	-
Start	543	End	999
Name	OJ000250_48.0211.C5.o2.tm	Method	TBLASTX:Maize
Start	16	End	613
GI	none	Score	172

Exons	16..195, 50..202, 179..268, 208..270, 269..301, 298..411, 302..412, 323..412, 407..613, 407..610		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59550	Strand	-
Start	543	End	999
Name	OJ000250_48.0211.C5.o2.tc	Method	TBLASTX:Cress
Start	32	End	613
GI	none	Score	182
Exons	32..202, 49..123, 163..201, 179..301, 202..306, 298..411, 302..412, 407..523, 407..523, 509..613, 563..613		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59550	Strand	-
Start	543	End	999
Name	OJ000250_48.0211.C5.o2.ts	Method	TBLASTX:Soybean
Start	32	End	613
GI	none	Score	42
Exons	32..76, 82..201, 83..202, 179..268, 202..264, 268..306, 269..301, 298..411, 302..412, 401..613, 407..613		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59550	Strand	-
Start	543	End	999
Name	OJ000250_48.0211.C5.o2.tw	Method	TBLASTX:Wheat
Start	428	End	631
GI	none	Score	214
Exons	428..631, 431..610		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59550	Strand	-
Start	543	End	999
Name	OJ000250_48.0211.C5.o1.gp	Method	AAT/GAP
Start	543	End	999
GI	none	Score	903
Exons	543..999		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59551	Strand	
Start	3352	End	4269
Name	OJ000250_48.0211.C5.o1.tm	Method	TBLASTX:Maize
Start	3352	End	4269
GI	none	Score	1058
Exons	3352..3390, 3371..3673, 3384..4106, 3673..3693, 3740..4129, 4118..4267, 4130..4267, 4153..4269, 4183..4269		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59551	Strand	
Start	3352	End	4269
Name	OJ000250_48.0211.C5.o1.ts	Method	TBLASTX:Soybean
Start	3408	End	4240
GI	none	Score	892
Exons	3408..4106, 3512..3673, 3673..3693, 3740..4129, 4106..4237, 4130..4240		
Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59551	Strand	

Start	3352	End	4269
Name	OJ000250_48.0211.C5.o1.tc	Method	TBLASTX:Cress
Start	3414	End	4222
GI	none	Score	875
Exons	3414..4106, 3428..3673, 3743..4129, 4130..4222, 4130..4204		

Seq. No.	28827	Seq. ID	OJ000250_48.0211.C5
Gene No.	59551	Strand	
Start	3352	End	4269
Name	OJ000250_48.0211.C5.o1.tw	Method	TBLASTX:Wheat
Start	3510	End	3986
GI	none	Score	440
Exons	3510..3986, 3516..3626, 3740..3835		

Seq. No.	28828	Seq. ID	OJ000250_48.0211.C6
Gene No.	59552	Strand	+
Start	268	End	1361
Name	OJ000250_48.0211.C6.o1.gs	Method	GENSCAN
Start	268	End	1361
GI	none	Score	.61
Exons	268..722, 1216..1361		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59553	Strand	+
Start	74	End	325
Name	OJ000250_48.0211.C7.o1.gp	Method	AAT/GAP
Start	74	End	325
GI	2310719	Score	461
Exons	74..325		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59554	Strand	+
Start	441	End	2218
Name	OJ000250_48.0211.C7.o1.np	Method	AAT/NAP
Start	441	End	2218
GI	2811014	Score	137
Exons	441..577, 2084..2218		
GI Descrip.	DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM gi|2208914|dbj|BAA20525| (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.ts	Method	TBLASTX:Soybean
Start	2049	End	2236
GI	4302625	Score	66
Exons	2049..2231, 2051..2236, 2051..2236		
GI Descrip.	2811014/sp_O02414_DYL1_ANTCR 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina]		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.tc	Method	TBLASTX:Cress
Start	2065	End	2233

GI	none	Score	67
Exons	2065..2214, 2072..2233, 2083..2133		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.tm	Method	TBLASTX:Maize
Start	2070	End	2278
GI	none	Score	93
Exons	2070..2243, 2081..2278, 2081..2242		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.gp	Method	AAT/GAP
Start	3061	End	6581
GI	357_1.R1084	Score	2167
Exons	3061..3409, 3524..3640, 4969..5091, 5211..5289, 5370..5820, 6542..6581		
GI Descrip.	'1519249 1.0e-141 (U65956) GF14-b protein [Oryza sativa]'		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o1.tm	Method	TBLASTX:Maize
Start	3131	End	5778
GI	none	Score	34
Exons	3131..3157, 3156..3188, 3161..3187, 3208..3270, 3235..3264, 3327..3383, 3332..3415, 3334..3423, 3522..3641, 3523..3642, 3524..3643, 3524..3643, 4958..5119, 4969..5091, 5211..5291, 5215..5292, 5371..5637, 5384..5731, 5385..5690, 5732..5773, 5734..5778		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.gs	Method	GENSCAN
Start	3350	End	7618
GI	none	Score	.49
Exons	3350..3409, 3524..3640, 4969..5050, 5370..5788, 6391..6483, 6694..6847, 6928..7215, 7547..7618		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.np	Method	AAT/NAP
Start	3353	End	5779
GI	1519249	Score	1190
Exons	3353..3409, 3524..3640, 4969..5091, 5211..5289, 5370..5779		
GI Descrip.	(U65956) GF14-b protein [Oryza sativa]		

Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o2.tw	Method	TBLASTX:Wheat
Start	3522	End	5095
GI	none	Score	81

Exons	3522..3581, 3524..3643, 3531..3659, 3535..3642, 4956..5036, 4969..5091, 4976..5095		
Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o1.tc	Method	TBLASTX:Cress
Start	3524	End	5759
GI	none	Score	99
Exons	3524..3643, 3528..3644, 3528..3644, 3529..3645, 4958..5092, 4966..5094, 4969..5091, 5209..5295, 5211..5294, 5356..5631, 5384..5758, 5385..5759		
Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o1.ts	Method	TBLASTX:Soybean
Start	3524	End	5780
GI	none	Score	72
Exons	3524..3577, 3524..3643, 3528..3644, 4969..5091, 4970..5092, 5200..5295, 5211..5294, 5356..5628, 5384..5767, 5385..5780, 5685..5768		
Seq. No.	28829	Seq. ID	OJ000250_48.0211.C7
Gene No.	59555	Strand	-
Start	3350	End	7618
Name	OJ000250_48.0211.C7.o1.tw	Method	TBLASTX:Wheat
Start	5367	End	5768
GI	none	Score	265
Exons	5367..5651, 5371..5637, 5381..5764, 5385..5768, 5387..5767		
Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.gs	Method	GENSCAN
Start	551	End	2600
GI	none	Score	.85
Exons	551..890, 1915..1970, 2194..2327, 2423..2600		
Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.np	Method	AAT/NAP
Start	1457	End	2619
GI	2576361	Score	302
Exons	1457..1550, 2221..2327, 2423..2619		
GI Descrip.	(U39782) lysine and histidine specific transporter [Arabidopsis thaliana]		
Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.gp	Method	AAT/GAP
Start	1932	End	2619
GI	48740_1.R1084	Score	680
Exons	1932..1970, 2194..2327, 2423..2619		
GI Descrip.	'2576361 5.0e-42 (U39782) lysine and histidine specific		

transporter [Arabidopsis thaliana]'

Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.tm	Method	TBLASTX:Maize
Start	2229	End	2551
GI	none	Score	147
Exons	2229..2312, 2230..2325, 2423..2551, 2424..2549		

Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.ts	Method	TBLASTX:Soybean
Start	2229	End	2618
GI	none	Score	155
Exons	2229..2327, 2230..2328, 2423..2617, 2424..2618		

Seq. No.	28830	Seq. ID	OJ000250_48.0211.C8
Gene No.	59556	Strand	+
Start	551	End	2619
Name	OJ000250_48.0211.C8.o1.tc	Method	TBLASTX:Cress
Start	2230	End	2618
GI	none	Score	160
Exons	2230..2346, 2235..2327, 2423..2617, 2424..2618		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59557	Strand	+
Start	1	End	1171
Name	OJ000250_48.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	6382531	Score	730
Exons	1..566, 664..755, 865..933, 1073..1168		
GI Descrip.	(AC011020) putative amino acid permease [Arabidopsis thaliana] gi|6728871|gb|AAF26944.1|AC008113_15 (AC008113) F12A21.22 [Arabidopsis thaliana]		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59557	Strand	+
Start	1	End	1171
Name	OJ000250_48.0211.C9.o1.gs	Method	GENSCAN
Start	35	End	1171
GI	none	Score	.93
Exons	35..566, 664..755, 1073..1171		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59557	Strand	+
Start	1	End	1171
Name	OJ000250_48.0211.C9.o1.gp	Method	AAT/GAP
Start	106	End	526
GI	LIB3433-034-P1-K1-E10	Score	804
Exons	106..526		
GI Descrip.	'976402 4.0e-39 (U31932) amino acid permease 1 [Nicotiana sylvestris] >gi_1906549 (U64823) amino acid permease [Nicotiana sylvestris]'		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9

Gene No.	59558	Strand	+
Start	8309	End	11133
Name	OJ000250_48.0211.C9.o2.np	Method	AAT/NAP
Start	8309	End	11133
GI	5441880	Score	1622
Exons	8309..9341, 9787..9818, 10077..10403, 11005..11133		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59559	Strand	+
Start	11614	End	12177
Name	OJ000250_48.0211.C9.o4.gs	Method	GENSCAN
Start	11614	End	12177
GI	none	Score	.81
Exons	11614..11694, 11857..12177		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59560	Strand	-
Start	1158	End	1549
Name	OJ000250_48.0211.C9.o2.gp	Method	AAT/GAP
Start	1158	End	1549
GI	uC-osrocyp012f07a1	Score	754
Exons	1158..1549		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59561	Strand	-
Start	2209	End	2472
Name	OJ000250_48.0211.C9.o2.ts	Method	TBLASTX:Soybean
Start	2	End	376
GI	none	Score	79
Exons	2..70, 13..69, 131..205, 179..376, 181..375		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59561	Strand	-
Start	2209	End	2472
Name	OJ000250_48.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	13	End	1171
GI	none	Score	71
Exons	13..66, 14..70, 157..495, 158..565, 865..936, 1076..1171		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59561	Strand	-
Start	2209	End	2472
Name	OJ000250_48.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	17	End	1186
GI	none	Score	56
Exons	17..70, 143..565, 157..528, 275..547, 657..686, 865..936, 865..936, 1053..1172, 1076..1186, 1093..1182		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59561	Strand	-
Start	2209	End	2472
Name	OJ000250_48.0211.C9.o2.gs	Method	GENSCAN

Start	2209	End	2472
GI	none	Score	.42
Exons	2209..2472		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59562	Strand	
Start	4811	End	5283
Name	OJ000250_48.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	4811	End	5283
GI	none	Score	409
Exons	4811..4837, 4906..5283, 4926..5282		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59562	Strand	
Start	4811	End	5283
Name	OJ000250_48.0211.C9.o2.tm	Method	TBLASTX:Maize
Start	4813	End	5196
GI	none	Score	69
Exons	4813..4839, 4906..4965, 4921..4962, 4966..5196, 4969..5193, 4989..5195		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59563	Strand	
Start	5549	End	6204
Name	OJ000250_48.0211.C9.o4.tm	Method	TBLASTX:Maize
Start	5549	End	6204
GI	none	Score	86
Exons	5549..5650, 5559..5651, 5562..5672, 5566..5658, 5644..5691, 5655..5693, 5961..6041, 6066..6203, 6067..6204		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59564	Strand	
Start	8876	End	9532
Name	OJ000250_48.0211.C9.o3.tm	Method	TBLASTX:Maize
Start	8876	End	9375
GI	none	Score	59
Exons	8876..8944, 9038..9364, 9055..9375		

Seq. No.	28831	Seq. ID	OJ000250_48.0211.C9
Gene No.	59564	Strand	
Start	8876	End	9532
Name	OJ000250_48.0211.C9.o1.tw	Method	TBLASTX:Wheat
Start	9193	End	9532
GI	none	Score	188
Exons	9193..9345, 9194..9370, 9394..9462, 9395..9532		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59565	Strand	+
Start	3378	End	10745
Name	OJ000250_48.0211.C10.o1.np	Method	AAT/NAP
Start	3378	End	9085
GI	6691123	Score	665
Exons	3378..3544, 5954..6135, 6283..6615, 6744..6940, 7056..7291, 7404..7633, 7871..7994, 8945..9085		
GI Descrip.	(AF213695) FH protein NFH1 [Nicotiana tabacum]		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10

Gene No.	59565	Strand	+
Start	3378	End	10745
Name	OJ000250_48.0211.C10.o1.gs	Method	GENSCAN
Start	3552	End	10745
GI	none	Score	.77
Exons	3552..3717, 4731..4867, 5183..6583, 6595..6994, 7056..7291, 7404..7994, 9272..9855, 10149..10315, 10582..10745		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59565	Strand	+
Start	3378	End	10745
Name	OJ000250_48.0211.C10.o2.np	Method	AAT/NAP
Start	8104	End	10740
GI	2979559	Score	134
Exons	8104..8142, 9409..9838, 10094..10320, 10629..10740		
GI Descrip.	(AC003680) putative PCF2-like DNA binding protein [Arabidopsis thaliana]		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59566	Strand	-
Start	60	End	128
Name	OJ000250_48.0211.C10.o1.gp	Method	AAT/GAP
Start	60	End	128
GI	LIB3431-030-P1-N1-G8	Score	87
Exons	60..128		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59567	Strand	
Start	7064	End	7610
Name	OJ000250_48.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	7064	End	7610
GI	none	Score	196
Exons	7064..7291, 7159..7374, 7388..7609, 7392..7610		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59567	Strand	
Start	7064	End	7610
Name	OJ000250_48.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	7166	End	7610
GI	none	Score	115
Exons	7166..7291, 7361..7606, 7407..7610		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59567	Strand	
Start	7064	End	7610
Name	OJ000250_48.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	7403	End	7610
GI	none	Score	227
Exons	7403..7498, 7407..7610, 7568..7609		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59568	Strand	
Start	7706	End	7955
Name	OJ000250_48.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	7706	End	7955

GI	none	Score	203
Exons	7706..7954, 7707..7955		

Seq. No.	28832	Seq. ID	OJ000250_48.0211.C10
Gene No.	59569	Strand	
Start	9353	End	9637
Name	OJ000250_48.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	9353	End	9637
GI	none	Score	224
Exons	9353..9571, 9419..9544, 9420..9560, 9424..9561, 9554..9637		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59570	Strand	+
Start	107	End	256
Name	OJ000250_48.0211.C12.o1.gs	Method	GENSCAN
Start	107	End	256
GI	none	Score	.44
Exons	107..256		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59571	Strand	+
Start	5814	End	6524
Name	OJ000250_48.0211.C12.o2.gp	Method	AAT/GAP
Start	5814	End	6524
GI	none	Score	1248
Exons	5814..6109, 6181..6524		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59572	Strand	-
Start	1032	End	1114
Name	OJ000250_48.0211.C12.o1.gp	Method	AAT/GAP
Start	1032	End	1114
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1032..1114		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59573	Strand	-
Start	1572	End	6421
Name	OJ000250_48.0211.C12.o2.gs	Method	GENSCAN
Start	1572	End	6421
GI	none	Score	.52
Exons	1572..1618, 1873..1937, 3908..4062, 4140..4223, 4300..4341, 4426..4525, 4709..4800, 5256..5317, 6346..6421		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59573	Strand	-
Start	1572	End	6421
Name	OJ000250_48.0211.C12.o1.tw	Method	TBLASTX:Wheat
Start	3741	End	4231
GI	none	Score	125
Exons	3741..3782, 3905..4048, 3907..4080, 3908..4024, 3910..4065, 4129..4224, 4137..4226, 4151..4231, 4154..4231		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12

Gene No.	59573	Strand	-
Start	1572	End	6421
Name	OJ000250_48.0211.C12.o1.np	Method	AAT/NAP
Start	3910	End	5317
GI	1816459	Score	237
Exons	3910..4062, 4140..4223, 4300..4326, 4411..4525, 5256..5317		
GI Descrip.	(Y10750) DEFH125 protein [Antirrhinum majus]		

Seq. No.	28833	Seq. ID	OJ000250_48.0211.C12
Gene No.	59573	Strand	-
Start	1572	End	6421
Name	OJ000250_48.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	4132	End	5317
GI	none	Score	88
Exons	4132..4230, 4137..4226, 4300..4344, 4414..4527, 4424..4525, 4426..4533, 5255..5317		

Seq. No.	28834	Seq. ID	OJ000250_48.0211.C13
Gene No.	59574	Strand	+
Start	275	End	952
Name	OJ000250_48.0211.C13.o1.gs	Method	GENSCAN
Start	275	End	952
GI	none	Score	.64
Exons	275..346, 824..905, 924..952		

Seq. No.	28834	Seq. ID	OJ000250_48.0211.C13
Gene No.	59575	Strand	-
Start	1251	End	3210
Name	OJ000250_48.0211.C13.o2.gs	Method	GENSCAN
Start	1251	End	3210
GI	none	Score	.78
Exons	1251..1277, 3133..3210		

Seq. No.	28835	Seq. ID	OJ000250_48.0211.C14
Gene No.	59576	Strand	-
Start	276	End	705
Name	OJ000250_48.0211.C14.o1.gs	Method	GENSCAN
Start	276	End	705
GI	none	Score	.72
Exons	276..399, 698..705		

Seq. No.	28836	Seq. ID	OJ000250_48.0211.C17
Gene No.	59577	Strand	-
Start	1266	End	4536
Name	OJ000250_48.0211.C17.o1.gp	Method	AAT/GAP
Start	1266	End	4536
GI	none	Score	840
Exons	1266..1370, 4155..4536		

Seq. No.	28837	Seq. ID	OJ000250_45.0211.C1
Gene No.	59578	Strand	-
Start	440	End	685
Name	OJ000250_45.0211.C1.o1.tm	Method	TBLASTX:Maize
Start	391	End	685
GI	none	Score	48
Exons	391..444, 441..683, 473..685		

Seq. No.	28837	Seq. ID	OJ000250_45.0211.C1
Gene No.	59578	Strand	-
Start	440	End	685
Name	OJ000250_45.0211.C1.o1.gs	Method	GENSCAN
Start	440	End	658
GI	none	Score	.65
Exons	440..658		

Seq. No.	28837	Seq. ID	OJ000250_45.0211.C1
Gene No.	59578	Strand	-
Start	440	End	685
Name	OJ000250_45.0211.C1.o1.np	Method	AAT/NAP
Start	446	End	685
GI	5281045	Score	170
Exons	446..685		
GI Descrip.	(AL080318) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28837	Seq. ID	OJ000250_45.0211.C1
Gene No.	59578	Strand	-
Start	440	End	685
Name	OJ000250_45.0211.C1.o1.gp	Method	AAT/GAP
Start	572	End	685
GI	none	Score	217
Exons	572..685		

Seq. No.	28838	Seq. ID	OJ000250_45.0211.C2
Gene No.	59579	Strand	+
Start	144	End	414
Name	OJ000250_45.0211.C2.o1.gs	Method	GENSCAN
Start	144	End	414
GI	none	Score	.45
Exons	144..159, 404..414		

Seq. No.	28839	Seq. ID	OJ000250_45.0211.C3
Gene No.	59580	Strand	-
Start	1	End	1733
Name	OJ000250_45.0211.C3.o1.np	Method	AAT/NAP
Start	1	End	1733
GI	6175185	Score	518
Exons	1..55, 438..524, 879..1018, 1170..1301, 1384..1557, 1641..1733		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	28839	Seq. ID	OJ000250_45.0211.C3
Gene No.	59580	Strand	-
Start	1	End	1733
Name	OJ000250_45.0211.C3.o1.gs	Method	GENSCAN
Start	864	End	1557
GI	none	Score	.79
Exons	864..1018, 1384..1557		

Seq. No.	28839	Seq. ID	OJ000250_45.0211.C3
Gene No.	59580	Strand	-
Start	1	End	1733
Name	OJ000250_45.0211.C3.o1.gp	Method	AAT/GAP
Start	953	End	1733
GI	none	Score	747
Exons	953..1018, 1170..1301, 1384..1557, 1641..1733		

Seq. No.	28839	Seq. ID	OJ000250_45.0211.C3
Gene No.	59580	Strand	-
Start	1	End	1733
Name	OJ000250_45.0211.C3.o1.tc	Method	TBLASTX:Cress
Start	1174	End	1722
GI	none	Score	57
Exons	1174..1302, 1376..1489, 1639..1722		

Seq. No.	28839	Seq. ID	OJ000250_45.0211.C3
Gene No.	59580	Strand	-
Start	1	End	1733
Name	OJ000250_45.0211.C3.o1.tm	Method	TBLASTX:Maize
Start	1183	End	1707
GI	none	Score	62
Exons	1183..1221, 1222..1302, 1376..1489, 1404..1484, 1466..1567, 1632..1706, 1639..1707, 1642..1704		

Seq. No.	28840	Seq. ID	OJ000250_45.0211.C4
Gene No.	59581	Strand	+
Start	103	End	334
Name	OJ000250_45.0211.C4.o1.gs	Method	GENSCAN
Start	103	End	334
GI	none	Score	.55
Exons	103..159, 245..334		

Seq. No.	28841	Seq. ID	OJ000250_45.0211.C5
Gene No.	59582	Strand	+
Start	189	End	237
Name	OJ000250_45.0211.C5.o1.gs	Method	GENSCAN
Start	189	End	237
GI	none	Score	.96
Exons	189..237		

Seq. No.	28842	Seq. ID	OJ000250_45.0211.C6
Gene No.	59583	Strand	-
Start	217	End	921
Name	OJ000250_45.0211.C6.o1.gs	Method	GENSCAN
Start	217	End	921
GI	none	Score	.77
Exons	217..374, 813..921		

Seq. No.	28842	Seq. ID	OJ000250_45.0211.C6
Gene No.	59584	Strand	-
Start	1298	End	1359
Name	OJ000250_45.0211.C6.o1.gp	Method	AAT/GAP
Start	1298	End	1359
GI	LIB3477-003-P1-K1-E9	Score	76
Exons	1298..1359		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28842	Seq. ID	OJ000250_45.0211.C6
Gene No.	59585	Strand	-
Start	2173	End	2587
Name	OJ000250_45.0211.C6.o2.gs	Method	GENSCAN

Start	2173	End	2587
GI	none	Score	.55
Exons	2173..2222, 2437..2587		

Seq. No.	28842	Seq. ID	OJ000250_45.0211.C6
Gene No.	59586	Strand	-
Start	2504	End	2631
Name	OJ000250_45.0211.C6.o2.gp	Method	AAT/GAP
Start	2504	End	2631
GI	2496_1.R1084	Score	248
Exons	2504..2631		
GI Descrip.	'6091733/gb|AAF03445.1|AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	28843	Seq. ID	OJ000250_45.0211.C7
Gene No.	59587	Strand	+
Start	220	End	483
Name	OJ000250_45.0211.C7.o1.gs	Method	GENSCAN
Start	220	End	429
GI	none	Score	.99
Exons	220..429		

Seq. No.	28843	Seq. ID	OJ000250_45.0211.C7
Gene No.	59588	Strand	-
Start	1	End	737
Name	OJ000250_45.0211.C7.o1.gp	Method	AAT/GAP
Start	1	End	737
GI	2496_1.R1084	Score	1474
Exons	1..737		
GI Descrip.	'6091733/gb|AAF03445.1|AC010797_21 3.0e-17 (AC010797) unknown protein [Arabidopsis thaliana]'		

Seq. No.	28844	Seq. ID	OJ000250_45.0211.C9
Gene No.	59589	Strand	+
Start	791	End	1212
Name	OJ000250_45.0211.C9.o1.gs	Method	GENSCAN
Start	791	End	1212
GI	none	Score	.87
Exons	791..965, 1022..1212		

Seq. No.	28844	Seq. ID	OJ000250_45.0211.C9
Gene No.	59590	Strand	-
Start	1	End	1030
Name	OJ000250_45.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	934
GI	6714291	Score	306
Exons	1..476, 637..718, 823..934		
GI Descrip.	(AC013354) F15H18.16 [Arabidopsis thaliana]		

Seq. No.	28844	Seq. ID	OJ000250_45.0211.C9
Gene No.	59590	Strand	-
Start	1	End	1030
Name	OJ000250_45.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	643	End	956
GI	none	Score	82
Exons	643..720, 651..719, 655..720, 824..937, 834..935, 927..956		

Seq. No.	28844	Seq. ID	OJ000250_45.0211.C9
Gene No.	59590	Strand	-
Start	1	End	1030
Name	OJ000250_45.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	649	End	1030
GI	none	Score	66
Exons	649..720, 654..719, 824..1030, 837..929		

Seq. No.	28844	Seq. ID	OJ000250_45.0211.C9
Gene No.	59590	Strand	-
Start	1	End	1030
Name	OJ000250_45.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	654	End	958
GI	none	Score	59
Exons	654..719, 664..720, 824..958, 846..935		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59591	Strand	+
Start	453	End	1548
Name	OJ000250_45.0211.C10.o1.gs	Method	GENSCAN
Start	453	End	1548
GI	none	Score	.45
Exons	453..621, 1472..1548		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.gp	Method	AAT/GAP
Start	3477	End	3885
GI	17247_1.R1084	Score	750
Exons	3477..3885		
GI Descrip.	'3935157 2.0e-09 (AC005106) T25N20.21 [Arabidopsis thaliana]'		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.tw	Method	TBLASTX:Wheat
Start	3767	End	4295
GI	none	Score	238
Exons	3767..4027, 3774..3926, 3780..4031, 3781..4035, 4120..4293, 4127..4294, 4221..4295		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.ts	Method	TBLASTX:Soybean
Start	3774	End	4729
GI	none	Score	182
Exons	3774..3926, 3775..3906, 3779..4030, 3780..4031, 3808..4029, 3821..4030, 3940..4062, 4117..4323, 4120..4323, 4130..4327, 4451..4510, 4615..4725, 4619..4729		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.tm	Method	TBLASTX:Maize
Start	3778	End	4647

GI	none	Score	253
Exons	3778..4029, 3779..4027, 3780..4028, 4117..4323, 4120..4314, 4127..4372, 4130..4318, 4451..4510, 4461..4520, 4461..4514, 4588..4647, 4612..4641, 4615..4641		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.tc	Method	TBLASTX:Cress
Start	3779	End	4258
GI	none	Score	207
Exons	3779..4027, 3780..4028, 4120..4257, 4127..4258		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.gs	Method	GENSCAN
Start	3779	End	13279
GI	none	Score	.93
Exons	3779..4027, 4126..4311, 4597..5394, 5475..5704, 5785..5897, 6922..7040, 7123..7242, 8154..8298, 8797..8971, 9052..9120, 9336..9364, 9876..10027, 10125..10251, 10696..10799, 10878..11001, 11100..11260, 11343..11531, 11637..11765, 12163..12249, 12327..12376, 12456..12537, 13222..13279		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.np	Method	AAT/NAP
Start	3782	End	13556
GI	4836907	Score	4266
Exons	3782..4027, 4126..4311, 4460..4519, 4603..5394, 5475..5704, 5839..5897, 6735..6818, 6922..7040, 7123..7242, 8145..8298, 8797..8971, 9052..9120, 9264..9389, 9508..9617, 9876..10056, 10673..10799, 10878..11001, 11100..11260, 11343..11510, 11625..11765, 12163..12249, 12327..12376, 12456..12554, 13212..13556		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o3.tm	Method	TBLASTX:Maize
Start	4648	End	4977
GI	none	Score	298
Exons	4648..4977, 4649..4975, 4759..4977		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o5.tc	Method	TBLASTX:Cress
Start	4721	End	4962
GI	none	Score	156
Exons	4721..4930, 4765..4962		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10

Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o3.ts	Method	TBLASTX:Soybean
Start	4732	End	7243
GI	none	Score	86
Exons	4732..4794, 5783..5899, 5784..5897, 6734..6820, 6741..6821, 6922..6975, 6924..6974, 6978..7043, 6978..7049, 7112..7243, 7114..7239		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.ts	Method	TBLASTX:Soybean
Start	4795	End	5698
GI	none	Score	476
Exons	4795..5394, 4805..5296, 4813..5298, 5333..5410, 5334..5375, 5472..5693, 5472..5696, 5479..5697, 5480..5698		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o3.tc	Method	TBLASTX:Cress
Start	4963	End	5176
GI	none	Score	130
Exons	4963..5166, 4963..5175, 4988..5176		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.tw	Method	TBLASTX:Wheat
Start	4971	End	5301
GI	none	Score	238
Exons	4971..5294, 4972..5301, 4985..5299		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o1.tm	Method	TBLASTX:Maize
Start	4978	End	5643
GI	none	Score	480
Exons	4978..5394, 4978..5394, 4985..5395, 5472..5642, 5476..5643		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.tc	Method	TBLASTX:Cress
Start	5182	End	5842
GI	none	Score	127
Exons	5182..5394, 5472..5645, 5476..5643, 5637..5714, 5641..5709, 5783..5842, 5784..5840		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o3.tw	Method	TBLASTX:Wheat
Start	5320	End	5609
GI	none	Score	98

Exons	5320..5394, 5472..5609, 5473..5589		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o2.gp	Method	AAT/GAP
Start	5554	End	6980
GI	uC-osflm202110h02b1	Score	718
Exons	5554..5704, 5785..5897, 6735..6818, 6922..6980		
GI Descrip.	'4263722/gb|AAD15408| 2.0e-65 (AC006223) putative glucan synthase [Arabidopsis thaliana]'		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o8.tm	Method	TBLASTX:Maize
Start	5644	End	5900
GI	none	Score	97
Exons	5644..5709, 5644..5706, 5646..5714, 5783..5899, 5784..5900		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o4.tm	Method	TBLASTX:Maize
Start	6737	End	7234
GI	none	Score	122
Exons	6737..6820, 6738..6821, 6922..7020, 6924..7043, 6928..7050, 6936..7043, 7090..7230, 7153..7233, 7154..7234		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o4.tc	Method	TBLASTX:Cress
Start	6924	End	7233
GI	none	Score	118
Exons	6924..7043, 6925..7023, 6933..7043, 6946..7053, 7097..7213, 7106..7231, 7120..7233		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o4.ts	Method	TBLASTX:Soybean
Start	8857	End	10028
GI	none	Score	63
Exons	8857..8955, 8859..8954, 9038..9124, 9054..9125, 9265..9300, 9349..9399, 9480..9617, 9500..9619, 9507..9617, 9716..9757, 9875..10027, 9876..10028, 9876..10028		
Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o7.tm	Method	TBLASTX:Maize
Start	9912	End	10766
GI	none	Score	157
Exons	9912..10028, 9914..10030, 9914..10030, 10122..10226, 10125..10223, 10126..10224, 10220..10252, 10222..10254, 10222..10251, 10699..10764, 10704..10766, 10704..10766		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o5.tm	Method	TBLASTX:Maize
Start	11240	End	12366
GI	none	Score	54
Exons	11240..11263, 11241..11261, 11242..11271, 11340..11540, 11340..11531, 11342..11539, 11652..11762, 11656..11760, 11659..11766, 11678..11770, 11688..11768, 12160..12249, 12163..12255, 12325..12366, 12325..12366		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o9.tm	Method	TBLASTX:Maize
Start	12448	End	13257
GI	none	Score	126
Exons	12448..12543, 12451..12543, 12453..12551, 12455..12547, 12946..13011, 12950..13027, 13064..13144, 13087..13149, 13087..13146, 13222..13257, 13222..13257		

Seq. No.	28845	Seq. ID	OJ000250_45.0211.C10
Gene No.	59592	Strand	-
Start	3779	End	13562
Name	OJ000250_45.0211.C10.o6.tm	Method	TBLASTX:Maize
Start	13280	End	13562
GI	none	Score	341
Exons	13280..13558, 13318..13557, 13473..13562		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.np	Method	AAT/NAP
Start	1	End	3574
GI	4836907	Score	1012
Exons	1..92, 306..420, 516..638, 1052..1139, 1235..1311, 1403..1528, 2645..2771, 3008..3099, 3219..3311, 3413..3574		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.gs	Method	GENSCAN
Start	233	End	3518
GI	none	Score	.73
Exons	233..260, 623..756, 1046..1139, 1235..1311, 1403..1540, 2645..2771, 3008..3099, 3219..3311, 3332..3518		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.tm	Method	TBLASTX:Maize
Start	301	End	426
GI	none	Score	139
Exons	301..426, 311..406, 316..423		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.ts	Method	TBLASTX:Soybean
Start	1071	End	1505
GI	none	Score	79
Exons	1071..1169, 1076..1147, 1229..1318, 1229..1312, 1234..1317, 1433..1504, 1434..1505		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.tc	Method	TBLASTX:Cress
Start	2621	End	2777
GI	none	Score	135
Exons	2621..2776, 2655..2777		

Seq. No.	28846	Seq. ID	OJ000250_45.0211.C11
Gene No.	59593	Strand	-
Start	1	End	3574
Name	OJ000250_45.0211.C11.o1.tw	Method	TBLASTX:Wheat
Start	2639	End	3388
GI	none	Score	142
Exons	2639..2773, 2642..2770, 2644..2772, 3005..3073, 3006..3074, 3007..3102, 3008..3103, 3214..3318, 3216..3326, 3221..3388, 3249..3344		

Seq. No.	28847	Seq. ID	OJ000250_45.0211.C12
Gene No.	59594	Strand	-
Start	1	End	1635
Name	OJ000250_45.0211.C12.o1.np	Method	AAT/NAP
Start	1	End	1601
GI	4836907	Score	755
Exons	1..153, 254..385, 490..573, 704..824, 934..1058, 1205..1305, 1407..1601		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	28847	Seq. ID	OJ000250_45.0211.C12
Gene No.	59594	Strand	-
Start	1	End	1635
Name	OJ000250_45.0211.C12.o1.gs	Method	GENSCAN
Start	61	End	1635
GI	none	Score	.96
Exons	61..153, 254..385, 731..824, 934..1058, 1205..1305, 1407..1635		

Seq. No.	28847	Seq. ID	OJ000250_45.0211.C12
Gene No.	59594	Strand	-
Start	1	End	1635
Name	OJ000250_45.0211.C12.o1.tc	Method	TBLASTX:Cress
Start	115	End	585
GI	none	Score	37
Exons	115..168, 119..154, 251..295, 252..293, 339..380, 344..409, 493..585		

Seq. No.	28847	Seq. ID	OJ000250_45.0211.C12

Gene No.	59594	Strand	-
Start	1	End	1635
Name	OJ000250_45.0211.C12.o1.ts	Method	TBLASTX:Soybean
Start	115	End	1017
GI	none	Score	35
Exons	115..156, 119..160, 248..295, 496..606, 496..600, 528..608, 940..1017, 942..1016	248..295, 305..388, 344..388, 722..823, 762..824, 771..824,	

Seq. No.	28847	Seq. ID	OJ000250_45.0211.C12
Gene No.	59594	Strand	-
Start	1	End	1635
Name	OJ000250_45.0211.C12.o2.ts	Method	TBLASTX:Soybean
Start	1018	End	1528
GI	none	Score	57
Exons	1018..1059, 1020..1067, 1203..1304, 1387..1527, 1409..1528	1205..1303, 1218..1304,	

Seq. No.	28848	Seq. ID	OJ000250_45.0211.C13
Gene No.	59595	Strand	+
Start	176	End	258
Name	OJ000250_45.0211.C13.o1.gs	Method	GENSCAN
Start	176	End	258
GI	none	Score	.93
Exons	176..258		

Seq. No.	28849	Seq. ID	OJ000250_45.0211.C14
Gene No.	59596	Strand	+
Start	205	End	323
Name	OJ000250_45.0211.C14.o1.gs	Method	GENSCAN
Start	205	End	323
GI	none	Score	.51
Exons	205..323		

Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59597	Strand	-
Start	1	End	287
Name	OJ000250_45.0211.C15.o1.np	Method	AAT/NAP
Start	1	End	287
GI	1143381	Score	145
Exons	1..206, 244..287		
GI Descrip.	(Z49063) polygalacturonase inhibitor [Actinidia deliciosa]		

Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59598	Strand	-
Start	772	End	2495
Name	OJ000250_45.0211.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	213
GI	none	Score	92
Exons	1..213, 3..185		

Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59598	Strand	-
Start	772	End	2495
Name	OJ000250_45.0211.C15.o2.gs	Method	GENSCAN
Start	772	End	2241
GI	none	Score	.67

Exons	772..884, 1435..1489, 1813..1983, 2167..2241		
Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59598	Strand	-
Start	772	End	2495
Name	OJ000250_45.0211.C15.o2.np	Method	AAT/NAP
Start	1400	End	2495
GI	2462838	Score	375
Exons	1400..1489, 1813..1983, 2167..2269, 2471..2495		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		
Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59598	Strand	-
Start	772	End	2495
Name	OJ000250_45.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	1813	End	2259
GI	none	Score	194
Exons	1813..1983, 1838..1981, 2164..2259, 2168..2254		
Seq. No.	28850	Seq. ID	OJ000250_45.0211.C15
Gene No.	59598	Strand	-
Start	772	End	2495
Name	OJ000250_45.0211.C15.o1.ts	Method	TBLASTX:Soybean
Start	1813	End	2259
GI	none	Score	64
Exons	1813..1983, 1815..1976, 1815..1988, 1838..1981, 2132..2254, 2164..2259		
Seq. No.	28851	Seq. ID	OJ000250_45.0211.C16
Gene No.	59599	Strand	-
Start	1	End	795
Name	OJ000250_45.0211.C16.o1.np	Method	AAT/NAP
Start	1	End	795
GI	2462838	Score	178
Exons	1..19, 325..380, 523..795		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		
Seq. No.	28852	Seq. ID	OJ000250_45.0211.C17
Gene No.	59600	Strand	-
Start	1	End	1169
Name	OJ000250_45.0211.C17.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	2462838	Score	538
Exons	1..42, 198..482, 746..1169		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		
Seq. No.	28852	Seq. ID	OJ000250_45.0211.C17
Gene No.	59600	Strand	-
Start	1	End	1169
Name	OJ000250_45.0211.C17.o1.gs	Method	GENSCAN
Start	207	End	1018
GI	none	Score	.68
Exons	207..482, 746..1018		
Seq. No.	28853	Seq. ID	OJ000250_45.0211.C19
Gene No.	59601	Strand	+
Start	22	End	112

Name	OJ000250_45.0211.C19.o1.gs	Method	GENSCAN
Start	22	End	112
GI	none	Score	1
Exons	22..112		

Seq. No.	28854	Seq. ID	OJ000250_45.0211.C20
Gene No.	59602	Strand	-
Start	492	End	599
Name	OJ000250_45.0211.C20.o1.gs	Method	GENSCAN
Start	492	End	599
GI	none	Score	.46
Exons	492..599		

Seq. No.	28855	Seq. ID	OJ000250_45.0211.C22
Gene No.	59603	Strand	-
Start	809	End	2923
Name	OJ000250_45.0211.C22.o1.gp	Method	AAT/GAP
Start	787	End	2923
GI	none	Score	1101
Exons	787..930, 1187..1262, 1611..1719, 1806..1904, 2720..2923		

Seq. No.	28855	Seq. ID	OJ000250_45.0211.C22
Gene No.	59603	Strand	-
Start	809	End	2923
Name	OJ000250_45.0211.C22.o1.gs	Method	GENSCAN
Start	809	End	2898
GI	none	Score	.94
Exons	809..928, 1191..1262, 1611..1719, 1806..1904, 2720..2898		

Seq. No.	28855	Seq. ID	OJ000250_45.0211.C22
Gene No.	59603	Strand	-
Start	809	End	2923
Name	OJ000250_45.0211.C22.o1.tm	Method	TBLASTX:Maize
Start	819	End	2841
GI	none	Score	118
Exons	819..929, 846..929, 851..931, 1176..1268, 1184..1270, 1186..1275, 1186..1269, 1562..1717, 1603..1719, 1611..1718, 1778..1903, 1797..1904, 2716..2841, 2719..2823, 2720..2839		

Seq. No.	28855	Seq. ID	OJ000250_45.0211.C22
Gene No.	59603	Strand	-
Start	809	End	2923
Name	OJ000250_45.0211.C22.o1.ts	Method	TBLASTX:Soybean
Start	819	End	2832
GI	none	Score	71
Exons	819..929, 1176..1268, 1184..1264, 1186..1269, 1194..1274, 1611..1721, 1618..1719, 1808..1903, 1809..1904, 2716..2832		

Seq. No.	28855	Seq. ID	OJ000250_45.0211.C22
Gene No.	59603	Strand	-
Start	809	End	2923
Name	OJ000250_45.0211.C22.o1.tw	Method	TBLASTX:Wheat
Start	1653	End	2824
GI	none	Score	61
Exons	1653..1718, 1654..1719, 1778..1903, 1805..1897, 2716..2823, 2720..2824		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.np	Method	AAT/NAP
Start	1	End	1089
GI	849081	Score	303
Exons	1..22, 601..655, 743..828, 915..1089		
GI Descrip.	(U17900) cyclophilin B precursor [Orpinomyces sp. PC-2]		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.tm	Method	TBLASTX:Maize
Start	598	End	1067
GI	none	Score	98
Exons	598..654, 600..656, 601..654, 736..828, 750..818, 909..1067, 914..1045		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.gp	Method	AAT/GAP
Start	599	End	1280
GI	3461_1.R1084	Score	939
Exons	599..655, 743..828, 915..1280		
GI Descrip.	'3219355 2.0e-33 (AF062371) ROOT HAIRLESS 1 [Arabidopsis thaliana] >gi_5733871_gb_AAD49759.1_AC007932_7 (AC007932) Identical to gb_AF062371 ROOT HAIRLESS 1 (RHL1) from Arabidopsis thaliana. ESTs gb_H37372, gb_AA651313 and gb_Z29767 come from this gene'		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.ts	Method	TBLASTX:Soybean
Start	600	End	1066
GI	none	Score	93
Exons	600..653, 601..651, 736..828, 750..815, 909..1058, 914..1066, 914..1042		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.tc	Method	TBLASTX:Cress
Start	600	End	1061
GI	none	Score	97
Exons	600..656, 601..654, 736..834, 753..818, 908..1042, 909..1061		

Seq. No.	28856	Seq. ID	OJ000250_45.0211.C23
Gene No.	59604	Strand	+
Start	1	End	1280
Name	OJ000250_45.0211.C23.o1.tw	Method	TBLASTX:Wheat
Start	600	End	1055
GI	none	Score	66
Exons	600..647, 601..651, 736..825, 750..818, 773..823, 920..1009, 921..1034, 1023..1055		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59605	Strand	+
Start	1220	End	1824
Name	OJ000250_45.0211.C24.o1.gp	Method	AAT/GAP
Start	1220	End	1824
GI	42373_1.R1084	Score	1116
Exons	1220..1824		
GI Descrip.	'6091734/gb|AAF03446.1|AC010797_22 3.0e-16 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59605	Strand	+
Start	1220	End	1824
Name	OJ000250_45.0211.C24.o1.np	Method	AAT/NAP
Start	1324	End	1594
GI	6523097	Score	189
Exons	1324..1594		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59606	Strand	-
Start	1071	End	1580
Name	OJ000250_45.0211.C24.o1.gs	Method	GENSCAN
Start	1071	End	1580
GI	none	Score	.94
Exons	1071..1580		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59606	Strand	-
Start	1071	End	1580
Name	OJ000250_45.0211.C24.o1.ts	Method	TBLASTX:Soybean
Start	1317	End	1553
GI	none	Score	74
Exons	1317..1388, 1324..1383, 1379..1552, 1380..1553		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59606	Strand	-
Start	1071	End	1580
Name	OJ000250_45.0211.C24.o1.tm	Method	TBLASTX:Maize
Start	1320	End	1561
GI	none	Score	73
Exons	1320..1382, 1324..1383, 1324..1386, 1379..1561, 1380..1532		

Seq. No.	28857	Seq. ID	OJ000250_45.0211.C24
Gene No.	59606	Strand	-
Start	1071	End	1580
Name	OJ000250_45.0211.C24.o1.tw	Method	TBLASTX:Wheat
Start	1324	End	1552
GI	none	Score	71
Exons	1324..1383, 1324..1377, 1343..1384, 1370..1552, 1380..1538		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59607	Strand	+
Start	1	End	1134
Name	OJ000250_45.0211.C25.o1.np	Method	AAT/NAP
Start	1	End	878
GI	5734786	Score	259

Exons	1..268, 446..511, 592..715, 803..878		
GI Descrip.	(AC007980) Similar to oligopeptidases [Arabidopsis thaliana]		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59607	Strand	+
Start	1	End	1134
Name	OJ000250_45.0211.C25.o1.gs	Method	GENSCAN
Start	570	End	884
GI	none	Score	.71
Exons	570..715, 803..884		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59607	Strand	+
Start	1	End	1134
Name	OJ000250_45.0211.C25.o1.gp	Method	AAT/GAP
Start	607	End	1134
GI	LIB3433-029-P1-K1-D11	Score	803
Exons	607..715, 803..1134		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-15 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59608	Strand	+
Start	4905	End	6054
Name	OJ000250_45.0211.C25.o3.gs	Method	GENSCAN
Start	4905	End	6054
GI	none	Score	.8
Exons	4905..5089, 5835..6054		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59609	Strand	+
Start	7192	End	7632
Name	OJ000250_45.0211.C25.o4.gp	Method	AAT/GAP
Start	7192	End	7632
GI	4715589	Score	852
Exons	7192..7632		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59610	Strand	-
Start	1490	End	3821
Name	OJ000250_45.0211.C25.o2.gs	Method	GENSCAN
Start	1490	End	3707
GI	none	Score	.89
Exons	1490..1551, 2330..2346, 2631..2823, 2910..3012, 3092..3196, 3639..3707		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59610	Strand	-
Start	1490	End	3821
Name	OJ000250_45.0211.C25.o2.gp	Method	AAT/GAP
Start	1869	End	2823
GI	5667341	Score	1260
Exons	1869..2346, 2631..2823		
Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59610	Strand	-
Start	1490	End	3821

Name	OJ000250_45.0211.C25.o3.gp	Method	AAT/GAP
Start	2945	End	3821
GI	2427801	Score	655
Exons	2945..3012, 3092..3196, 3639..3821		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 7.0e-15 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59611	Strand	-
Start	3746	End	4490
Name	OJ000250_45.0211.C25.o2.np	Method	AAT/NAP
Start	3746	End	4490
GI	4063770	Score	172
Exons	3746..3843, 3983..4490		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o2.tm	Method	TBLASTX:Maize
Start	450	End	901
GI	none	Score	66
Exons	450..509, 451..510, 590..715, 591..716, 591..716, 592..717, 800..901, 800..880		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o2.ts	Method	TBLASTX:Soybean
Start	450	End	845
GI	none	Score	69
Exons	450..533, 451..510, 590..715, 591..716, 605..718, 800..838, 801..845		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o4.gs	Method	GENSCAN
Start	7471	End	9292
GI	none	Score	.73
Exons	7471..7762, 8039..8241, 8472..8577, 8663..9292		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o1.ts	Method	TBLASTX:Soybean
Start	7501	End	7767
GI	none	Score	264
Exons	7501..7767, 7508..7759, 7519..7758		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o1.tm	Method	TBLASTX:Maize
Start	7506	End	8773
GI	none	Score	199
Exons	7506..7763, 7507..7767, 7510..7767, 7514..7771, 8025..8105,		

8038..8151, 8039..8104, 8095..8244, 8128..8244, 8150..8248, 8466..8576, 8470..8592, 8472..8594, 8658..8741, 8659..8769, 8663..8773

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o3.ts	Method	TBLASTX:Soybean
Start	8011	End	8763
GI	none	Score	79
Exons	8011..8121, 8182..8244, 8183..8245, 8466..8579, 8479..8574, 8659..8763, 8660..8761		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o4.np	Method	AAT/NAP
Start	8370	End	8919
GI	4309742	Score	211
Exons	8370..8577, 8663..8919		
GI Descrip.	(AC006439) putative integral membrane protein [Arabidopsis thaliana]		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o5.gp	Method	AAT/GAP
Start	8663	End	9418
GI	35443_1.R1084	Score	1396
Exons	8663..9418		
GI Descrip.	'4309742/gb|AAD15512| 2.0e-16 (AC006439) putative Rer1 protein [Arabidopsis thaliana]'		

Seq. No.	28858	Seq. ID	OJ000250_45.0211.C25
Gene No.	59612	Strand	-
Start	7471	End	9418
Name	OJ000250_45.0211.C25.o4.ts	Method	TBLASTX:Soybean
Start	8798	End	8994
GI	none	Score	136
Exons	8798..8920, 8803..8937, 8803..8922, 8847..8936, 8929..8994		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59613	Strand	+
Start	1043	End	5154
Name	OJ000250_45.0211.C26.o1.np	Method	AAT/NAP
Start	1043	End	5154
GI	6721516	Score	586
Exons	1043..1078, 2788..3028, 3443..3773, 5076..5154		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59613	Strand	+
Start	1043	End	5154
Name	OJ000250_45.0211.C26.o1.gs	Method	GENSCAN
Start	1698	End	3835
GI	none	Score	.71
Exons	1698..1749, 2143..2204, 2788..3005, 3467..3641, 3692..3835		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59614	Strand	+
Start	8503	End	11371
Name	OJ000250_45.0211.C26.o3.np	Method	AAT/NAP
Start	8503	End	11371
GI	6721512	Score	36
Exons	8503..8602, 11250..11371		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59615	Strand	-
Start	5757	End	12607
Name	OJ000250_45.0211.C26.o1.gp	Method	AAT/GAP
Start	5394	End	5754
GI	5003037	Score	635
Exons	5394..5754		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59615	Strand	-
Start	5757	End	12607
Name	OJ000250_45.0211.C26.o2.gs	Method	GENSCAN
Start	5757	End	12607
GI	none	Score	.41
Exons	5757..5852, 5953..5994, 6095..6126, 6592..6654, 7005..7152, 7265..7343, 7560..7792, 7903..7992, 8315..8679, 11338..11432, 11797..11851, 12379..12607		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59615	Strand	-
Start	5757	End	12607
Name	OJ000250_45.0211.C26.o2.np	Method	AAT/NAP
Start	6572	End	8663
GI	3811320	Score	339
Exons	6572..6606, 7005..7162, 7265..7355, 7560..7783, 7897..7992, 8115..8225, 8315..8663		
GI Descrip.	(AF062372) ROOT HAIRLESS 1 [Arabidopsis thaliana]		

Seq. No.	28859	Seq. ID	OJ000250_45.0211.C26
Gene No.	59615	Strand	-
Start	5757	End	12607
Name	OJ000250_45.0211.C26.o2.gp	Method	AAT/GAP
Start	7073	End	8374
GI	5003038	Score	1030
Exons	7073..7149, 7265..7343, 7560..7792, 7903..7992, 8146..8225, 8315..8374		
GI Descrip.	3219355 2.0e-33 (AF062371) ROOT HAIRLESS 1 [Arabidopsis thaliana] >gi_5733871_gb_AAD49759.1_AC007932_7 (AC007932) Identical to gb_AF062371 ROOT HAIRLESS 1 (RHL1) from Arabidopsis thaliana. ESTs gb_H37372, gb_AA651313 and gb_Z29767 come from this gene		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59616	Strand	+
Start	378	End	1618
Name	OJ000250_45.0211.C27.o1.gs	Method	GENSCAN
Start	378	End	1618

GI	none	Score	.64
Exons	378..478, 519..678, 1140..1256, 1574..1618		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59617	Strand	-
Start	3092	End	4405
Name	OJ000250_45.0211.C27.o1.ts	Method	TBLASTX:Soybean
Start	3022	End	4094
GI	none	Score	190
Exons	3022..3057, 3113..3484, 3141..3464, 3491..3571, 3495..3536, 3650..3760, 3773..3910, 3926..4084, 3972..4094		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59617	Strand	-
Start	3092	End	4405
Name	OJ000250_45.0211.C27.o2.gs	Method	GENSCAN
Start	3092	End	4093
GI	none	Score	.96
Exons	3092..4093		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59617	Strand	-
Start	3092	End	4405
Name	OJ000250_45.0211.C27.o1.np	Method	AAT/NAP
Start	3098	End	4405
GI	1731990	Score	612
Exons	3098..3940, 3968..4089, 4381..4405		
GI Descrip.	(Y09602) serine carboxypeptidase II, CP-MII [Hordeum vulgare]		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59617	Strand	-
Start	3092	End	4405
Name	OJ000250_45.0211.C27.o1.tm	Method	TBLASTX:Maize
Start	3108	End	4085
GI	none	Score	73
Exons	3108..3230, 3125..3229, 3251..3484, 3252..3473, 3491..3577, 3495..3566, 3662..3751, 3672..3755, 3773..3910, 3956..4066, 3957..4085		

Seq. No.	28860	Seq. ID	OJ000250_45.0211.C27
Gene No.	59617	Strand	-
Start	3092	End	4405
Name	OJ000250_45.0211.C27.o1.tc	Method	TBLASTX:Cress
Start	3125	End	4084
GI	none	Score	162
Exons	3125..3445, 3126..3371, 3491..3571, 3677..3709, 3773..3910, 3935..4084		

Seq. No.	28861	Seq. ID	OJ000250_45.0211.C28
Gene No.	59618	Strand	-
Start	272	End	430
Name	OJ000250_45.0211.C28.o1.gs	Method	GENSCAN
Start	272	End	430
GI	none	Score	.55
Exons	272..430		

Seq. No.	28862	Seq. ID	OJ000250_45.0211.C29

Gene No.	59619	Strand	-
Start	438	End	1513
Name	OJ000250_45.0211.C29.o1.gp	Method	AAT/GAP
Start	411	End	937
GI	none	Score	1025
Exons	411..937		

Seq. No.	28862	Seq. ID	OJ000250_45.0211.C29
Gene No.	59619	Strand	-
Start	438	End	1513
Name	OJ000250_45.0211.C29.o1.gs	Method	GENSCAN
Start	438	End	1511
GI	none	Score	.91
Exons	438..1155, 1375..1511		

Seq. No.	28862	Seq. ID	OJ000250_45.0211.C29
Gene No.	59619	Strand	-
Start	438	End	1513
Name	OJ000250_45.0211.C29.o1.tw	Method	TBLASTX:Wheat
Start	447	End	833
GI	none	Score	66
Exons	447..557, 447..557, 448..558, 601..636, 613..717, 614..667, 772..813	448..564, 555..602, 556..603, 627..752, 628..753, 771..833,	

Seq. No.	28862	Seq. ID	OJ000250_45.0211.C29
Gene No.	59619	Strand	-
Start	438	End	1513
Name	OJ000250_45.0211.C29.o2.gp	Method	AAT/GAP
Start	1030	End	1513
GI	none	Score	480
Exons	1030..1155, 1375..1513		

Seq. No.	28863	Seq. ID	OJ000250_45.0211.C30
Gene No.	59620	Strand	-
Start	323	End	1602
Name	OJ000250_45.0211.C30.o1.gs	Method	GENSCAN
Start	323	End	1602
GI	none	Score	.72
Exons	323..479, 1493..1602		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59621	Strand	+
Start	333	End	674
Name	OJ000250_45.0211.C31.o1.gs	Method	GENSCAN
Start	333	End	674
GI	none	Score	.77
Exons	333..481, 649..674		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59622	Strand	+
Start	5252	End	19234
Name	OJ000250_45.0211.C31.o3.np	Method	AAT/NAP
Start	5252	End	12662
GI	6016183	Score	1322
Exons	5252..5330, 9875..10131, 10904..11139, 11232..11362, 11726..11858, 11961..12083, 12202..12276, 12359..12474,		

12599..12662
GI Descrip. PHOTOSYSTEM II STABILITY/ASSEMBLY FACTOR HCF136 gi|3559807|emb|CAA75723| (Y15628) HCF136 protein [Arabidopsis thaliana]

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59622	Strand	+
Start	5252	End	19234
Name	OJ000250_45.0211.C31.o5.gs	Method	GENSCAN
Start	9828	End	19234
GI	none	Score	.81
Exons	9828..10131, 10904..11139, 11232..11362, 11726..11858, 12202..12276, 12359..12474, 13579..13649, 14315..14469, 14774..14802, 15349..16168, 16767..16908, 17128..17214, 17323..17490, 17636..17675, 17726..17916, 18031..18115, 18689..18857, 18992..19234		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59622	Strand	+
Start	5252	End	19234
Name	OJ000250_45.0211.C31.o4.np	Method	AAT/NAP
Start	17841	End	19201
GI	6899649	Score	83
Exons	17841..18115, 18496..18567, 18689..18868, 19065..19201		
GI Descrip.	(AC012189) T15D22.8 [Arabidopsis thaliana]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59623	Strand	-
Start	1033	End	6475
Name	OJ000250_45.0211.C31.o1.np	Method	AAT/NAP
Start	1033	End	2147
GI	6225671	Score	332
Exons	1033..1454, 1515..2147		
GI Descrip.	TRNA DELTA(2)-ISOPENTENYLPYROPHOSPHATE TRANSFERASE (IPP TRANSFERASE) gi|3329229|gb|AAC68361.1| (AE001349) tRNA isopentenylpyrophosphate transferase [Chlamydia trachomatis]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59623	Strand	-
Start	1033	End	6475
Name	OJ000250_45.0211.C31.o2.np	Method	AAT/NAP
Start	1747	End	6204
GI	2911040	Score	134
Exons	1747..1875, 2511..2939, 6162..6204		
GI Descrip.	(AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59623	Strand	-
Start	1033	End	6475
Name	OJ000250_45.0211.C31.o3.gs	Method	GENSCAN
Start	4086	End	4778
GI	none	Score	.7
Exons	4086..4267, 4535..4778		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59623	Strand	-

Start	1033	End	6475
Name	OJ000250_45.0211.C31.o4.gs	Method	GENSCAN
Start	5538	End	6475
GI	none	Score	.96
Exons	5538..6034, 6107..6226, 6415..6475		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59624	Strand	-
Start	19695	End	33936
Name	OJ000250_45.0211.C31.o6.gs	Method	GENSCAN
Start	19695	End	32016
GI	none	Score	.71
Exons	19695..19882, 19967..20021, 20118..20299, 21208..21314, 21718..21869, 23985..24110, 24116..24195, 26128..26229, 26342..26373, 26468..26562, 26651..26724, 26829..26964, 27032..27095, 27441..27538, 27820..27957, 28910..28981, 29177..29284, 29381..29497, 29621..29759, 29880..29986, 30241..30350, 30890..30948, 31047..31196, 31287..31495, 31594..32016		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59624	Strand	-
Start	19695	End	33936
Name	OJ000250_45.0211.C31.o5.np	Method	AAT/NAP
Start	19698	End	20626
GI	1169838	Score	174
Exons	19698..19884, 20511..20626		
GI Descrip.	GIBBERELLIN-REGULATED PROTEIN 2 PRECURSOR gi|2129589|pir||S60230 GAST1 protein homolog (clone GASA2) - Arabidopsis thaliana gi|887937 (U11765) GAST1 protein homolog [Arabidopsis thaliana]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59624	Strand	-
Start	19695	End	33936
Name	OJ000250_45.0211.C31.o8.np	Method	AAT/NAP
Start	21617	End	33936
GI	5917732	Score	45
Exons	21617..21688, 31871..32100, 33849..33936		
GI Descrip.	(AF180819) LAK1 protein [Homo sapiens] gi|6166495|gb|AAF04857.1|AF197898_1 (AF197898) nemo-like kinase [Homo sapiens]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59624	Strand	-
Start	19695	End	33936
Name	OJ000250_45.0211.C31.o6.np	Method	AAT/NAP
Start	21659	End	24969
GI	6539588	Score	219
Exons	21659..21683, 23900..24227, 24943..24969		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59624	Strand	-
Start	19695	End	33936
Name	OJ000250_45.0211.C31.o7.np	Method	AAT/NAP
Start	26030	End	33802
GI	2149640	Score	2873

Exons	26030..26229, 26342..26373, 26468..26562, 26651..26724, 26829..26964, 27032..27095, 27441..27503, 27598..27740, 27820..27957, 28037..28158, 28254..28407, 28539..28673, 28910..28981, 29177..29284, 29381..29497, 29621..29759, 29880..29986, 30241..30350, 30815..30948, 31047..31196, 31287..31495, 31594..31740, 31864..32043, 32113..32200, 33770..33802		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o4.tm	Method	TBLASTX:Maize
Start	842	End	1212
GI	none	Score	91
Exons	842..943, 842..1201, 877..1212, 880..1212		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o7.ts	Method	TBLASTX:Soybean
Start	1747	End	2061
GI	none	Score	96
Exons	1747..2061, 1880..2047		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o2.tc	Method	TBLASTX:Cress
Start	10043	End	12668
GI	none	Score	146
Exons	10043..10132, 10044..10139, 10899..11141, 10902..10961, 10903..11142, 10906..11142, 10995..11147, 11035..11148, 11231..11362, 11232..11363, 11238..11378, 11716..11868, 11724..11858, 11957..12022, 11958..12086, 11967..12080, 12181..12276, 12201..12272, 12222..12281, 12347..12484, 12358..12414, 12596..12664, 12597..12668		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o4.ts	Method	TBLASTX:Soybean
Start	10987	End	11813
GI	none	Score	258
Exons	10987..11142, 10989..11141, 10990..11151, 11231..11362, 11231..11362, 11232..11363, 11723..11812, 11724..11813		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o3.tm	Method	TBLASTX:Maize
Start	11035	End	12797
GI	none	Score	65

Exons	11035..11148, 11743..11856, 11745..11858, 11780..11857, 11957..12076, 11958..12086, 11958..12077, 12201..12272, 12202..12276, 12346..12477, 12347..12484, 12352..12423, 12353..12466, 12596..12667, 12596..12664, 12597..12671, 12765..12797		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o8.tm	Method	TBLASTX:Maize
Start	11230	End	11363
GI	none	Score	222
Exons	11230..11361, 11231..11362, 11232..11363		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o5.ts	Method	TBLASTX:Soybean
Start	12005	End	12454
GI	none	Score	69
Exons	12005..12070, 12181..12273, 12200..12301, 12203..12277, 12346..12441, 12358..12414, 12359..12454		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o10.tm	Method	TBLASTX:Maize
Start	15705	End	16069
GI	none	Score	71
Exons	15705..15743, 15746..15784, 15773..15874, 15774..15845, 15784..15876, 15802..15876, 15853..15936, 15854..15961, 15889..15936, 15897..15959, 15941..16069, 15949..16038, 15969..16049		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o6.tm	Method	TBLASTX:Maize
Start	16452	End	17291
GI	none	Score	42
Exons	16452..16481, 16461..16478, 16499..16588, 16596..16736, 16596..16706, 16636..16800, 16636..16758, 16649..16768, 16756..16848, 16756..16848, 16772..16849, 16788..16850, 16899..17006, 16900..17007, 16900..17007, 17040..17207, 17041..17208, 17042..17206, 17044..17223, 17209..17274, 17214..17291		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o2.tm	Method	TBLASTX:Maize
Start	17479	End	19201
GI	none	Score	60
Exons	17479..17553, 17493..17552, 17551..17862, 17552..18115, 17553..18116, 17893..18120, 18461..18604, 18463..18576, 18687..18794, 18690..18794, 18816..18857, 18819..18857, 18971..19030, 18989..19129, 19073..19189, 19073..19147,		

19166..19201

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o7.tm	Method	TBLASTX:Maize
Start	19695	End	19886
GI	none	Score	231
Exons	19695..19784, 19696..19884, 19699..19884, 19833..19886		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o1.ts	Method	TBLASTX:Soybean
Start	26016	End	27931
GI	none	Score	73
Exons	26016..26087, 26027..26083, 26118..26183, 26139..26183, 26159..26221, 26174..26230, 26343..26390, 26344..26370, 26459..26563, 26467..26562, 26470..26565, 26630..26731, 26643..26726, 26764..26967, 26828..26965, 26828..26977, 26830..26976, 27019..27096, 27021..27101, 27031..27102, 27032..27103, 27032..27121, 27440..27511, 27441..27506, 27597..27740, 27598..27741, 27676..27744, 27817..27888, 27818..27931		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o1.tm	Method	TBLASTX:Maize
Start	26021	End	29708
GI	none	Score	74
Exons	26021..26083, 26031..26111, 26032..26118, 26146..26217, 26158..26223, 26174..26230, 26343..26390, 26344..26370, 26465..26563, 26466..26564, 26467..26562, 26630..26731, 26651..26719, 26655..26726, 26764..26967, 26828..26965, 26828..26977, 26829..26966, 26830..26967, 27031..27099, 27032..27121, 27033..27101, 27440..27511, 27441..27512, 27597..27740, 27604..27741, 27817..27957, 27818..27958, 27824..27958, 28028..28159, 28029..28160, 28232..28420, 28252..28419, 28549..28596, 28551..28595, 28588..28674, 28590..28676, 28901..28984, 28911..28982, 29174..29332, 29181..29288, 29372..29488, 29592..29708, 29611..29694, 29618..29707		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o1.tc	Method	TBLASTX:Cress
Start	26027	End	31737
GI	none	Score	55
Exons	26027..26083, 26031..26087, 26139..26183, 26140..26289, 26174..26230, 26343..26390, 26465..26563, 26467..26562, 26630..26731, 26650..26721, 26655..26726, 26764..26967, 26828..26965, 26828..26977, 26839..26967, 27021..27122, 27031..27123, 27031..27099, 27032..27103, 27398..27499, 27440..27511, 27571..27741, 27583..27738, 27597..27740, 27817..27957, 27818..27973, 27818..27958, 28028..28159,		

28029..28160, 28032..28163, 28252..28314, 28321..28416,
28539..28676, 28540..28674, 28899..28982, 28901..28981,
29175..29288, 29180..29290, 29381..29512, 29388..29498,
29411..29503, 29612..29749, 29614..29748, 29618..29761,
29619..29762, 29876..29986, 29877..29987, 29880..29987,
29882..30067, 30238..30351, 30242..30352, 30811..30951,
30816..30998, 31041..31199, 31046..31198, 31286..31510,
31289..31498, 31585..31737, 31607..31729

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o2.tw	Method	TBLASTX:Wheat
Start	26027	End	26563
GI	none	Score	119

Exons 26027..26083, 26028..26183, 26159..26221, 26174..26230,
26343..26390, 26344..26370, 26465..26563, 26467..26562

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o1.tw	Method	TBLASTX:Wheat
Start	27696	End	28175
GI	none	Score	42

Exons 27696..27722, 27697..27723, 27817..27957, 27821..27958,
27827..27958, 28028..28159, 28029..28175

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o6.ts	Method	TBLASTX:Soybean
Start	27931	End	29291
GI	none	Score	141

Exons 27931..27957, 28028..28159, 28029..28160, 28252..28314,
28288..28416, 28539..28676, 28540..28674, 28901..28981,
28911..28982, 29175..29291, 29180..29290

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o3.tw	Method	TBLASTX:Wheat
Start	28251	End	28954
GI	none	Score	64

Exons 28251..28337, 28252..28404, 28252..28419, 28549..28674,
28549..28674, 28551..28676, 28551..28676, 28901..28954

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o2.ts	Method	TBLASTX:Soybean
Start	29371	End	30951
GI	none	Score	96

Exons 29371..29511, 29372..29512, 29385..29498, 29612..29758,
29614..29748, 29618..29761, 29619..29762, 29876..29986,
29877..29987, 29880..29987, 30238..30351, 30245..30352,
30811..30951, 30816..30950, 30817..30951

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o9.tm	Method	TBLASTX:Maize
Start	29711	End	29989
GI	none	Score	59
Exons	29711..29761, 29712..29756, 29876..29986, 29883..29987, 29894..29989		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o5.tm	Method	TBLASTX:Maize
Start	30262	End	31728
GI	none	Score	71
Exons	30262..30351, 30266..30352, 30386..30433, 30811..30951, 30816..30998, 31044..31199, 31046..31198, 31250..31405, 31320..31406, 31403..31510, 31404..31496, 31585..31728, 31592..31720		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o3.ts	Method	TBLASTX:Soybean
Start	31044	End	31657
GI	none	Score	148
Exons	31044..31181, 31046..31198, 31285..31473, 31286..31489, 31286..31510, 31332..31496, 31585..31656, 31592..31657		

Seq. No.	28864	Seq. ID	OJ000250_45.0211.C31
Gene No.	59625	Strand	-
Start	37798	End	38990
Name	OJ000250_45.0211.C31.o7.gs	Method	GENSCAN
Start	37798	End	38990
GI	none	Score	.42
Exons	37798..38036, 38967..38990		

Seq. No.	28865	Seq. ID	OJ000250_45.0211.C32
Gene No.	59626	Strand	+
Start	69	End	489
Name	OJ000250_45.0211.C32.o1.gs	Method	GENSCAN
Start	69	End	489
GI	none	Score	.45
Exons	69..136, 326..439, 477..489		

Seq. No.	28866	Seq. ID	OJ000250_45.0211.C33
Gene No.	59627	Strand	+
Start	1006	End	1721
Name	OJ000250_45.0211.C33.o1.gs	Method	GENSCAN
Start	1006	End	1721
GI	none	Score	.75
Exons	1006..1054, 1306..1466, 1542..1721		

Seq. No.	28867	Seq. ID	OJ000250_45.0211.C34
Gene No.	59628	Strand	-
Start	40	End	180
Name	OJ000250_45.0211.C34.o1.gs	Method	GENSCAN

Start	40	End	180
GI	none	Score	.66
Exons	40..180		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59629	Strand	+
Start	3484	End	6726
Name	OJ000250_45.0211.C35.o2.gs	Method	GENSCAN
Start	3484	End	6497
GI	none	Score	.98
Exons	3484..3919, 4908..5080, 5678..5913, 6018..6210, 6324..6497		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59629	Strand	+
Start	3484	End	6726
Name	OJ000250_45.0211.C35.o1.np	Method	AAT/NAP
Start	3487	End	6494
GI	1346883	Score	1499
Exons	3487..3919, 4029..4079, 4908..5080, 5678..5913, 6018..6210, 6324..6494		
GI Descrip.	PHYTOENE SYNTHASE PRECURSOR gi|2130144|pir||S68307 phytoene synthase - maize gi|1098665 (U32636) phytoene synthase [Zea mays]		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59629	Strand	+
Start	3484	End	6726
Name	OJ000250_45.0211.C35.o2.gp	Method	AAT/GAP
Start	6321	End	6726
GI	2431381	Score	773
Exons	6321..6726		
GI Descrip.	1346883/sp|P49085|PSY_MAIZE 2.0e-21 PHYTOENE SYNTHASE PRECURSOR >gi_2130144_pir__S68307 phytoene synthase - maize >gi_1098665 (U32636) phytoene synthase [Zea mays]		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59630	Strand	-
Start	168	End	1178
Name	OJ000250_45.0211.C35.o1.gs	Method	GENSCAN
Start	168	End	1178
GI	none	Score	.41
Exons	168..199, 380..547, 1039..1145, 1171..1178		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59631	Strand	-
Start	3009	End	3546
Name	OJ000250_45.0211.C35.o1.gp	Method	AAT/GAP
Start	3009	End	3546
GI	LIB3433-053-P1-K1-C4	Score	1033
Exons	3009..3546		
GI Descrip.	'1346883/sp|P49085|PSY_MAIZE 2.0e-21 PHYTOENE SYNTHASE PRECURSOR >gi_2130144_pir__S68307 phytoene synthase - maize >gi_1098665 (U32636) phytoene synthase [Zea mays]'		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841

Name	OJ000250_45.0211.C35.o3.tm	Method	TBLASTX:Maize
Start	3571	End	3891
GI	none	Score	51
Exons	3571..3630, 3687..3797, 3688..3798, 3826..3891, 3826..3888		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o1.tc	Method	TBLASTX:Cress
Start	3676	End	6488
GI	none	Score	118
Exons	3676..3822, 3862..3921, 4028..4078, 4906..5079, 4907..5080, 5668..5910, 5675..5914, 5677..5913, 5756..5914, 6018..6251, 6019..6213, 6323..6463, 6324..6488		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o2.ts	Method	TBLASTX:Soybean
Start	3715	End	5097
GI	none	Score	83
Exons	3715..3798, 3856..3921, 4028..4078, 4906..5097, 4907..5080		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o1.tm	Method	TBLASTX:Maize
Start	4016	End	6488
GI	none	Score	71
Exons	4016..4078, 4906..5076, 4907..5080, 4907..5080, 5668..5910, 5674..5961, 5675..5914, 6018..6212, 6019..6213, 6019..6237, 6317..6424, 6323..6469, 6324..6488		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o1.ts	Method	TBLASTX:Soybean
Start	5674	End	6487
GI	none	Score	357
Exons	5674..5913, 5678..5914, 5756..5914, 6018..6212, 6019..6213, 6323..6487, 6324..6470		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o2.np	Method	AAT/NAP
Start	6682	End	8841
GI	320130	Score	363
Exons	6682..6787, 8532..8841		
GI Descrip.	acetolactate synthase (EC 4.1.3.18) (clone pSOG109) - maize gi|22141|emb|CAA45117| (X63554) acetohydroxyacid synthase [Zea mays]		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o3.gs	Method	GENSCAN

Start	7943	End	8778
GI	none	Score	.48
Exons	7943..8052, 8425..8778		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o2.tm	Method	TBLASTX:Maize
Start	8492	End	8837
GI	none	Score	38
Exons	8492..8563, 8525..8776, 8555..8740, 8562..8777, 8622..8795, 8781..8837		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o2.tc	Method	TBLASTX:Cress
Start	8525	End	8756
GI	none	Score	160
Exons	8525..8755, 8562..8756		

Seq. No.	28868	Seq. ID	OJ000250_45.0211.C35
Gene No.	59632	Strand	-
Start	6682	End	8841
Name	OJ000250_45.0211.C35.o3.ts	Method	TBLASTX:Soybean
Start	8525	End	8834
GI	none	Score	174
Exons	8525..8740, 8562..8798, 8738..8776, 8781..8834		

Seq. No.	28869	Seq. ID	OJ000250_45.0211.C38
Gene No.	59633	Strand	+
Start	458	End	927
Name	OJ000250_45.0211.C38.o1.gs	Method	GENSCAN
Start	458	End	927
GI	none	Score	.61
Exons	458..631, 825..927		

Seq. No.	28870	Seq. ID	OJ000250_45.0211.C40
Gene No.	59634	Strand	+
Start	190	End	192
Name	OJ000250_45.0211.C40.o1.gs	Method	GENSCAN
Start	190	End	192
GI	none	Score	.99
Exons	190..192		

Seq. No.	28871	Seq. ID	OJ000250_45.0211.C41
Gene No.	59635	Strand	+
Start	1	End	679
Name	OJ000250_45.0211.C41.o1.np	Method	AAT/NAP
Start	1	End	679
GI	4836907	Score	198
Exons	1..52, 133..307, 631..679		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	28871	Seq. ID	OJ000250_45.0211.C41
Gene No.	59635	Strand	+

Start	1	End	679
Name	OJ000250_45.0211.C41.o1.gs	Method	GENSCAN
Start	133	End	358
GI	none	Score	.8
Exons	133..307, 337..358		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o1.np	Method	AAT/NAP
Start	1	End	1414
GI	6503010	Score	685
Exons	1..31, 183..429, 643..1414		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o1.tc	Method	TBLASTX:Cress
Start	181	End	422
GI	none	Score	219
Exons	181..405, 183..422, 184..417		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o2.ts	Method	TBLASTX:Soybean
Start	181	End	428
GI	none	Score	221
Exons	181..390, 183..428, 184..426		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o1.gs	Method	GENSCAN
Start	185	End	1385
GI	none	Score	.55
Exons	185..429, 643..921, 930..1385		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o1.tm	Method	TBLASTX:Maize
Start	292	End	852
GI	none	Score	200
Exons	292..429, 295..429, 637..852,	641..847,	645..851

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o1.ts	Method	TBLASTX:Soybean
Start	637	End	1052
GI	none	Score	175
Exons	637..897, 638..805, 645..839,	882..1052	

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+

Start	1	End	1414
Name	OJ000250_45.0211.C43.o2.tc	Method	TBLASTX:Cress
Start	637	End	896
GI	none	Score	216
Exons	637..858, 642..896		

Seq. No.	28872	Seq. ID	OJ000250_45.0211.C43
Gene No.	59636	Strand	+
Start	1	End	1414
Name	OJ000250_45.0211.C43.o2.tm	Method	TBLASTX:Maize
Start	1073	End	1405
GI	none	Score	181
Exons	1073..1231, 1074..1214, 1091..1225, 1165..1245, 1218..1310, 1223..1324, 1226..1405		

Seq. No.	28873	Seq. ID	OJ000250_45.0211.C44
Gene No.	59637	Strand	-
Start	233	End	268
Name	OJ000250_45.0211.C44.o1.gs	Method	GENSCAN
Start	233	End	268
GI	none	Score	.65
Exons	233..268		

Seq. No.	28874	Seq. ID	OJ000250_45.0211.C46
Gene No.	59638	Strand	+
Start	57	End	1120
Name	OJ000250_45.0211.C46.o1.gp	Method	AAT/GAP
Start	57	End	871
GI	4879565	Score	379
Exons	57..215, 746..871		

Seq. No.	28874	Seq. ID	OJ000250_45.0211.C46
Gene No.	59638	Strand	+
Start	57	End	1120
Name	OJ000250_45.0211.C46.o1.gs	Method	GENSCAN
Start	62	End	1120
GI	none	Score	.67
Exons	62..215, 746..816, 1055..1120		

Seq. No.	28875	Seq. ID	OJ000250_45.0211.C47
Gene No.	59639	Strand	-
Start	1	End	538
Name	OJ000250_45.0211.C47.o1.np	Method	AAT/NAP
Start	1	End	538
GI	6691123	Score	205
Exons	1..82, 206..538		
GI Descrip.	(AF213695) FH protein NFH1 [Nicotiana tabacum]		

Seq. No.	28875	Seq. ID	OJ000250_45.0211.C47
Gene No.	59639	Strand	-
Start	1	End	538
Name	OJ000250_45.0211.C47.o1.gs	Method	GENSCAN
Start	211	End	455
GI	none	Score	.84
Exons	211..455		

Seq. No.	28875	Seq. ID	OJ000250_45.0211.C47

Gene No.	59639	Strand	-
Start	1	End	538
Name	OJ000250_45.0211.C47.o1.tm	Method	TBLASTX:Maize
Start	211	End	348
GI	none	Score	160
Exons	211..345, 211..348		

Seq. No.	28875	Seq. ID	OJ000250_45.0211.C47
Gene No.	59639	Strand	-
Start	1	End	538
Name	OJ000250_45.0211.C47.o1.ts	Method	TBLASTX:Soybean
Start	212	End	459
GI	none	Score	105
Exons	212..457, 214..456, 250..459		

Seq. No.	28875	Seq. ID	OJ000250_45.0211.C47
Gene No.	59639	Strand	-
Start	1	End	538
Name	OJ000250_45.0211.C47.o1.tc	Method	TBLASTX:Cress
Start	218	End	459
GI	none	Score	101
Exons	218..457, 223..456, 235..459		

Seq. No.	28876	Seq. ID	OJ000250_45.0211.C48
Gene No.	59640	Strand	+
Start	1	End	455
Name	OJ000250_45.0211.C48.o1.np	Method	AAT/NAP
Start	1	End	455
GI	4836907	Score	203
Exons	1..151, 231..280, 358..455		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	28876	Seq. ID	OJ000250_45.0211.C48
Gene No.	59640	Strand	+
Start	1	End	455
Name	OJ000250_45.0211.C48.o1.tm	Method	TBLASTX:Maize
Start	56	End	377
GI	none	Score	108
Exons	56..154, 60..152, 64..156, 64..159, 215..295, 241..276, 242..283, 354..377		

Seq. No.	28876	Seq. ID	OJ000250_45.0211.C48
Gene No.	59640	Strand	+
Start	1	End	455
Name	OJ000250_45.0211.C48.o1.gs	Method	GENSCAN
Start	64	End	444
GI	none	Score	.7
Exons	64..151, 231..280, 358..444		

Seq. No.	28876	Seq. ID	OJ000250_45.0211.C48
Gene No.	59640	Strand	+
Start	1	End	455
Name	OJ000250_45.0211.C48.o1.ts	Method	TBLASTX:Soybean
Start	79	End	450
GI	none	Score	74
Exons	79..147, 81..146, 241..282, 242..283, 298..447, 358..450		

Seq. No.	28877	Seq. ID	OJ000250_45.0211.C49
Gene No.	59641	Strand	-
Start	129	End	444
Name	OJ000250_45.0211.C49.o1.gs	Method	GENSCAN
Start	129	End	444
GI	none	Score	.67
Exons	129..444		

Seq. No.	28878	Seq. ID	OJ000250_40.0211.C1
Gene No.	59642	Strand	+
Start	203	End	783
Name	OJ000250_40.0211.C1.o1.gs	Method	GENSCAN
Start	203	End	783
GI	none	Score	.88
Exons	203..278, 375..783		

Seq. No.	28879	Seq. ID	OJ000250_40.0211.C2
Gene No.	59643	Strand	-
Start	163	End	406
Name	OJ000250_40.0211.C2.o1.gs	Method	GENSCAN
Start	163	End	406
GI	none	Score	.47
Exons	163..406		

Seq. No.	28880	Seq. ID	OJ000250_40.0211.C4
Gene No.	59644	Strand	+
Start	1	End	4113
Name	OJ000250_40.0211.C4.o1.np	Method	AAT/NAP
Start	1	End	4113
GI	4680203	Score	710
Exons	1..22, 165..1069, 4054..4113		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	28880	Seq. ID	OJ000250_40.0211.C4
Gene No.	59644	Strand	+
Start	1	End	4113
Name	OJ000250_40.0211.C4.o1.gs	Method	GENSCAN
Start	160	End	2421
GI	none	Score	.64
Exons	160..604, 815..987, 2332..2421		

Seq. No.	28880	Seq. ID	OJ000250_40.0211.C4
Gene No.	59644	Strand	+
Start	1	End	4113
Name	OJ000250_40.0211.C4.o1.tw	Method	TBLASTX:Wheat
Start	496	End	882
GI	none	Score	85
Exons	496..603, 586..669, 594..668, 793..882	688..783, 783..866, 784..867,	

Seq. No.	28880	Seq. ID	OJ000250_40.0211.C4
Gene No.	59644	Strand	+
Start	1	End	4113
Name	OJ000250_40.0211.C4.o1.ts	Method	TBLASTX:Soybean
Start	565	End	939
GI	none	Score	41

Exons	565..609, 676..750, 677..775, 784..867, 786..860, 874..939		
Seq. No.	28881	Seq. ID	OJ000250_40.0211.C5
Gene No.	59645	Strand	+
Start	298	End	520
Name	OJ000250_40.0211.C5.o1.gs	Method	GENSCAN
Start	298	End	520
GI	none	Score	.91
Exons	298..430, 453..520		
Seq. No.	28882	Seq. ID	OJ000250_40.0211.C6
Gene No.	59646	Strand	-
Start	80	End	504
Name	OJ000250_40.0211.C6.o1.gs	Method	GENSCAN
Start	80	End	504
GI	none	Score	.65
Exons	80..197, 345..504		
Seq. No.	28883	Seq. ID	OJ000250_40.0211.C7
Gene No.	59647	Strand	+
Start	264	End	297
Name	OJ000250_40.0211.C7.o1.gs	Method	GENSCAN
Start	264	End	297
GI	none	Score	.42
Exons	264..297		
Seq. No.	28884	Seq. ID	OJ000250_40.0211.C8
Gene No.	59648	Strand	+
Start	1	End	199
Name	OJ000250_40.0211.C8.o1.np	Method	AAT/NAP
Start	1	End	187
GI	4680203	Score	102
Exons	1..187		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	28884	Seq. ID	OJ000250_40.0211.C8
Gene No.	59648	Strand	+
Start	1	End	199
Name	OJ000250_40.0211.C8.o1.gs	Method	GENSCAN
Start	27	End	199
GI	none	Score	.57
Exons	27..106, 136..199		
Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6539558	Score	502
Exons	1..407		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		
Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.tw	Method	TBLASTX:Wheat

Start	1	End	364
GI	none	Score	150
Exons	1..240, 8..226, 274..345, 275..364		

Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	384
GI	5509260	Score	53
Exons	1..384, 2..64, 125..289		
GI Descrip.	-		

Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.tc	Method	TBLASTX:Cress
Start	7	End	259
GI	none	Score	138
Exons	7..258, 17..259		

Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.gs	Method	GENSCAN
Start	16	End	333
GI	none	Score	.44
Exons	16..333		

Seq. No.	28885	Seq. ID	OJ000250_40.0211.C9
Gene No.	59649	Strand	-
Start	1	End	407
Name	OJ000250_40.0211.C9.o1.tm	Method	TBLASTX:Maize
Start	37	End	355
GI	none	Score	239
Exons	37..354, 38..355		

Seq. No.	28886	Seq. ID	OJ000250_40.0211.C10
Gene No.	59650	Strand	+
Start	15	End	115
Name	OJ000250_40.0211.C10.o1.gs	Method	GENSCAN
Start	15	End	115
GI	none	Score	.77
Exons	15..115		

Seq. No.	28886	Seq. ID	OJ000250_40.0211.C10
Gene No.	59651	Strand	-
Start	1	End	147
Name	OJ000250_40.0211.C10.o1.np	Method	AAT/NAP
Start	1	End	147
GI	4006831	Score	131
Exons	1..147		
GI Descrip.	(AC005970) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28887	Seq. ID	OJ000250_40.0211.C11
Gene No.	59652	Strand	-

Start	210	End	369
Name	OJ000250_40.0211.C11.o1.gs	Method	GENSCAN
Start	210	End	369
GI	none	Score	.4
Exons	210..369		

Seq. No.	28888	Seq. ID	OJ000250_40.0211.C12
Gene No.	59653	Strand	+
Start	274	End	508
Name	OJ000250_40.0211.C12.o1.gs	Method	GENSCAN
Start	274	End	508
GI	none	Score	.4
Exons	274..508		

Seq. No.	28889	Seq. ID	OJ000250_40.0211.C13
Gene No.	59654	Strand	
Start	306	End	686
Name	OJ000250_40.0211.C13.o1.tm	Method	TBLASTX:Maize
Start	306	End	686
GI	none	Score	483
Exons	306..656, 307..564, 312..569, 317..655, 398..667, 592..657, 594..686		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.np	Method	AAT/NAP
Start	47	End	6219
GI	5902400	Score	746
Exons	47..82, 1147..1245, 2266..2763, 2864..2986, 3073..3453, 4233..4994, 5077..5396, 5481..5635, 6099..6219		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana]		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.gs	Method	GENSCAN
Start	57	End	5859
GI	none	Score	.74
Exons	57..333, 1395..1647, 1755..2763, 2864..3008, 3106..3453, 4233..4994, 5077..5396, 5481..5607, 5692..5859		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o3.tm	Method	TBLASTX:Maize
Start	2495	End	2905
GI	none	Score	160
Exons	2495..2686, 2663..2749, 2873..2905		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o3.ts	Method	TBLASTX:Soybean
Start	2624	End	2963
GI	none	Score	146
Exons	2624..2752, 2629..2748, 2859..2963		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o2.ts	Method	TBLASTX:Soybean
Start	3132	End	3399
GI	none	Score	154
Exons	3132..3293, 3136..3309, 3328..3399, 3330..3392		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.tm	Method	TBLASTX:Maize
Start	5067	End	5574
GI	none	Score	116
Exons	5067..5165, 5068..5241, 5076..5240, 5248..5394, 5259..5393, 5294..5413, 5482..5574, 5484..5570		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.tc	Method	TBLASTX:Cress
Start	5074	End	5580
GI	none	Score	98
Exons	5074..5175, 5085..5183, 5176..5235, 5188..5241, 5253..5396, 5254..5397, 5485..5580		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.ts	Method	TBLASTX:Soybean
Start	5085	End	5399
GI	none	Score	92
Exons	5085..5180, 5086..5175, 5106..5177, 5181..5240, 5182..5241, 5254..5397, 5259..5396, 5280..5399, 5297..5398		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o2.tm	Method	TBLASTX:Maize
Start	5696	End	6148
GI	none	Score	100
Exons	5696..5806, 5696..5806, 5782..5868, 5790..5870, 5946..6116, 5951..6148, 5953..6081		

Seq. No.	28890	Seq. ID	OJ000250_40.0211.C14
Gene No.	59655	Strand	+
Start	47	End	6219
Name	OJ000250_40.0211.C14.o1.gp	Method	AAT/GAP
Start	5767	End	6132
GI	3107528	Score	390
Exons	5767..5859, 5954..6132		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o1.np	Method	AAT/NAP

Start	1	End	1918
GI	4455338	Score	770
Exons	1..76, 590..1068, 1159..1419, 1579..1918		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o2.np	Method	AAT/NAP
Start	1	End	7618
GI	2191159	Score	147
Exons	1..119, 2488..2886, 4079..4535, 7590..7618		
GI Descrip.	(AF007270) Similar to serine hydroxymethyltransferase; coded for by A. thaliana cDNA T42313; coded for by A. thaliana cDNA W43384 [Arabidopsis thaliana]		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o1.gp	Method	AAT/GAP
Start	151	End	908
GI	29667_1.R1084	Score	1472
Exons	151..908		
GI Descrip.	'4455338/emb|CAB36798.1| 5.0e-13 (AL035525) putative protein [Arabidopsis thaliana]'		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o1.gs	Method	GENSCAN
Start	169	End	4183
GI	none	Score	.61
Exons	169..1062, 1159..1419, 1579..1698, 2587..2717, 3197..3263, 4079..4183		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o2.gp	Method	AAT/GAP
Start	1776	End	2235
GI	2311449	Score	866
Exons	1776..2235		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59656	Strand	+
Start	1	End	7618
Name	OJ000250_40.0211.C15.o3.gp	Method	AAT/GAP
Start	2641	End	2838
GI	none	Score	350
Exons	2641..2838		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59657	Strand	+
Start	16252	End	20879
Name	OJ000250_40.0211.C15.o4.gs	Method	GENSCAN
Start	16252	End	20666
GI	none	Score	.86

Exons	16252..16602, 16683..16758, 17393..17443, 17792..17997, 18094..18180, 18236..18361, 18741..18922, 19066..19150, 19397..19516, 20303..20404, 20499..20666		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59657	Strand	+
Start	16252	End	20879
Name	OJ000250_40.0211.C15.o5.gp	Method	AAT/GAP
Start	19223	End	20879
GI	none	Score	1054
Exons	19223..19314, 19397..19516, 20303..20404, 20499..20668, 20781..20879		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o1.tc	Method	TBLASTX:Cress
Start	696	End	1052
GI	none	Score	117
Exons	696..995, 708..1052, 709..1050		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o1.ts	Method	TBLASTX:Soybean
Start	703	End	1812
GI	none	Score	369
Exons	703..1065, 711..1064, 1162..1419, 1176..1415, 1570..1710, 1581..1709, 1719..1811, 1720..1812		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o1.tm	Method	TBLASTX:Maize
Start	742	End	1826
GI	none	Score	399
Exons	742..1071, 747..1064, 754..1071, 1143..1406, 1150..1413, 1151..1408, 1152..1418, 1156..1419, 1570..1812, 1582..1812, 1584..1826		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o2.tc	Method	TBLASTX:Cress
Start	1162	End	1692
GI	none	Score	250
Exons	1162..1422, 1186..1413, 1570..1692, 1585..1686, 1587..1691		
Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o6.tm	Method	TBLASTX:Maize
Start	2513	End	2842
GI	none	Score	48
Exons	2513..2551, 2513..2578, 2553..2579, 2596..2727, 2689..2736, 2724..2771, 2775..2834, 2780..2842, 2781..2840		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o3.ts	Method	TBLASTX:Soybean
Start	2689	End	4533
GI	none	Score	51
Exons	2689..2727, 2781..2840, 4076..4171, 4109..4174, 4126..4179, 4225..4260, 4227..4259, 4229..4273, 4296..4433, 4303..4434, 4464..4496, 4474..4533, 4496..4531		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o4.tm	Method	TBLASTX:Maize
Start	4076	End	4537
GI	none	Score	70
Exons	4076..4171, 4078..4125, 4105..4203, 4109..4261, 4121..4252, 4126..4260, 4162..4266, 4171..4272, 4283..4423, 4303..4434, 4304..4435, 4305..4433, 4459..4536, 4464..4496, 4496..4537		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o1.tw	Method	TBLASTX:Wheat
Start	4225	End	4531
GI	none	Score	41
Exons	4225..4266, 4228..4272, 4296..4433, 4303..4434, 4305..4445, 4459..4530, 4464..4496, 4496..4531		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o3.tc	Method	TBLASTX:Cress
Start	4237	End	4531
GI	none	Score	42
Exons	4237..4272, 4296..4460, 4303..4434, 4355..4435, 4464..4496, 4496..4531		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59658	Strand	-
Start	4246	End	4688
Name	OJ000250_40.0211.C15.o4.gp	Method	AAT/GAP
Start	4246	End	4688
GI	none	Score	817
Exons	4246..4688		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59659	Strand	
Start	9449	End	9871
Name	OJ000250_40.0211.C15.o5.tm	Method	TBLASTX:Maize
Start	9449	End	9871
GI	none	Score	134
Exons	9449..9625, 9722..9871		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59660	Strand	
Start	16483	End	18847

Name	OJ000250_40.0211.C15.o5.tc	Method	TBLASTX:Cress
Start	16483	End	18008
GI	none	Score	56
Exons	16483..16536, 16558..16602, 16677..16763, 17787..17840, 17791..17829, 17857..18006, 17859..18008		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59660	Strand	
Start	16483	End	18847
Name	OJ000250_40.0211.C15.o2.tm	Method	TBLASTX:Maize
Start	16719	End	18847
GI	none	Score	64
Exons	16719..16763, 17787..18038, 17791..18006, 18087..18194, 18088..18195, 18091..18201, 18093..18200, 18248..18391, 18266..18364, 18268..18384, 18756..18836, 18764..18847, 18765..18845		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59661	Strand	
Start	18842	End	20669
Name	OJ000250_40.0211.C15.o4.tc	Method	TBLASTX:Cress
Start	18842	End	19311
GI	none	Score	113
Exons	18842..18925, 18843..18923, 19066..19128, 19067..19150, 19219..19311, 19227..19292		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59661	Strand	
Start	18842	End	20669
Name	OJ000250_40.0211.C15.o3.tm	Method	TBLASTX:Maize
Start	19087	End	20669
GI	none	Score	85
Exons	19087..19137, 19091..19150, 19094..19150, 19222..19317, 19225..19314, 19227..19316, 19396..19521, 19397..19522, 19398..19526, 20303..20407, 20303..20404, 20498..20668, 20499..20669		

Seq. No.	28891	Seq. ID	OJ000250_40.0211.C15
Gene No.	59661	Strand	
Start	18842	End	20669
Name	OJ000250_40.0211.C15.o2.ts	Method	TBLASTX:Soybean
Start	19442	End	20666
GI	none	Score	93
Exons	19442..19522, 20303..20410, 20498..20665, 20499..20666		

Seq. No.	28892	Seq. ID	OJ000250_40.0211.C16
Gene No.	59662	Strand	+
Start	882	End	1256
Name	OJ000250_40.0211.C16.o1.gp	Method	AAT/GAP
Start	882	End	1256
GI	none	Score	694
Exons	882..1256		

Seq. No.	28892	Seq. ID	OJ000250_40.0211.C16
Gene No.	59663	Strand	+
Start	4046	End	4587
Name	OJ000250_40.0211.C16.o2.gp	Method	AAT/GAP

Start	4046	End	4587
GI	2799958	Score	896
Exons	4046..4587		

Seq. No.	28892	Seq. ID	OJ000250_40.0211.C16
Gene No.	59664	Strand	-
Start	3085	End	4258
Name	OJ000250_40.0211.C16.o2.gs	Method	GENSCAN
Start	3085	End	4258
GI	none	Score	.52
Exons	3085..3323, 3484..3599, 4131..4258		

Seq. No.	28893	Seq. ID	OJ000250_40.0211.C17
Gene No.	59665	Strand	+
Start	8089	End	8194
Name	OJ000250_40.0211.C17.o4.gs	Method	GENSCAN
Start	8089	End	8194
GI	none	Score	.96
Exons	8089..8194		

Seq. No.	28893	Seq. ID	OJ000250_40.0211.C17
Gene No.	59666	Strand	-
Start	3459	End	3686
Name	OJ000250_40.0211.C17.o2.gs	Method	GENSCAN
Start	3459	End	3686
GI	none	Score	.87
Exons	3459..3686		

Seq. No.	28893	Seq. ID	OJ000250_40.0211.C17
Gene No.	59667	Strand	-
Start	4161	End	6866
Name	OJ000250_40.0211.C17.o3.gs	Method	GENSCAN
Start	4161	End	6866
GI	none	Score	.57
Exons	4161..4493, 4621..4803, 5925..6118, 6785..6866		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59668	Strand	+
Start	1678	End	13769
Name	OJ000250_40.0211.C18.o2.gs	Method	GENSCAN
Start	1678	End	13769
GI	none	Score	.46
Exons	1678..1861, 4760..4932, 4982..5072, 7814..7888, 8227..8369, 8468..8609, 8760..8963, 9715..9815, 10007..10176, 11099..11158, 11729..12060, 12101..12270, 13680..13769		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59669	Strand	-
Start	587	End	1334
Name	OJ000250_40.0211.C18.o1.gs	Method	GENSCAN
Start	587	End	1334
GI	none	Score	.87
Exons	587..748, 1242..1334		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59670	Strand	-
Start	1514	End	1579

Name	OJ000250_40.0211.C18.o1.gp	Method	AAT/GAP
Start	1514	End	1579
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	1514..1579		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59671	Strand	-
Start	6561	End	11087
Name	OJ000250_40.0211.C18.o1.np	Method	AAT/NAP
Start	6561	End	11087
GI	5042463	Score	155
Exons	6561..6642, 6692..6829, 7502..7714, 11022..11087		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59671	Strand	-
Start	6561	End	11087
Name	OJ000250_40.0211.C18.o2.gp	Method	AAT/GAP
Start	7610	End	7973
GI	5816475	Score	602
Exons	7610..7973		
GI Descrip.	5042437/gb|AC007789.1|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	28894	Seq. ID	OJ000250_40.0211.C18
Gene No.	59671	Strand	-
Start	6561	End	11087
Name	OJ000250_40.0211.C18.o3.gp	Method	AAT/GAP
Start	8679	End	8989
GI	2309703	Score	622
Exons	8679..8989		

Seq. No.	28895	Seq. ID	OJ000250_40.0211.C19
Gene No.	59672	Strand	-
Start	2498	End	2614
Name	OJ000250_40.0211.C19.o2.gs	Method	GENSCAN
Start	2498	End	2614
GI	none	Score	.87
Exons	2498..2614		

Seq. No.	28896	Seq. ID	OJ000250_40.0211.C20
Gene No.	59673	Strand	+
Start	1	End	2122
Name	OJ000250_40.0211.C20.o2.np	Method	AAT/NAP
Start	1	End	2122
GI	4680183	Score	109
Exons	1..56, 2034..2122		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	28896	Seq. ID	OJ000250_40.0211.C20
Gene No.	59674	Strand	-
Start	1	End	2001
Name	OJ000250_40.0211.C20.o1.np	Method	AAT/NAP
Start	1	End	2001

GI	6721561	Score	75
Exons	1..55, 1914..2001		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28896	Seq. ID	OJ000250_40.0211.C20
Gene No.	59675	Strand	-
Start	2046	End	3762
Name	OJ000250_40.0211.C20.o2.gs	Method	GENSCAN
Start	2046	End	3762
GI	none	Score	.69
Exons	2046..2246, 2960..3394, 3489..3762		

Seq. No.	28897	Seq. ID	OJ000250_40.0211.C21
Gene No.	59676	Strand	+
Start	1	End	1674
Name	OJ000250_40.0211.C21.o1.np	Method	AAT/NAP
Start	1	End	1674
GI	6063554	Score	199
Exons	1..179, 292..510, 1154..1185, 1501..1674		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28897	Seq. ID	OJ000250_40.0211.C21
Gene No.	59677	Strand	-
Start	244	End	2658
Name	OJ000250_40.0211.C21.o1.gs	Method	GENSCAN
Start	244	End	2477
GI	none	Score	.54
Exons	244..417, 446..654, 1584..1650, 1733..1835, 2089..2192, 2391..2477		

Seq. No.	28897	Seq. ID	OJ000250_40.0211.C21
Gene No.	59677	Strand	-
Start	244	End	2658
Name	OJ000250_40.0211.C21.o2.np	Method	AAT/NAP
Start	2289	End	2658
GI	5123787	Score	45
Exons	2289..2465, 2538..2658		
GI Descrip.	(AJ007041) trithorax homologue 2 [Homo sapiens]		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59678	Strand	+
Start	1	End	5009
Name	OJ000250_40.0211.C22.o1.np	Method	AAT/NAP
Start	1	End	5009
GI	3746069	Score	503
Exons	1..21, 356..414, 1485..2581, 2886..3524, 4943..5009		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59678	Strand	+

Start	1	End	5009
Name	OJ000250_40.0211.C22.o1.gs	Method	GENSCAN
Start	56	End	2765
GI	none	Score	.46
Exons	56..665, 801..1105, 1703..1755, 2612..2765		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o1.tm	Method	TBLASTX:Maize
Start	1486	End	2412
GI	none	Score	666
Exons	1486..2412, 1533..1667, 1803..1910, 1933..2292, 2139..2315		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o2.tw	Method	TBLASTX:Wheat
Start	1498	End	1752
GI	none	Score	294
Exons	1498..1752, 1501..1707, 1524..1718		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o4.tw	Method	TBLASTX:Wheat
Start	1791	End	2160
GI	none	Score	126
Exons	1791..1931, 1792..1926, 1936..2088, 2080..2160		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o1.ts	Method	TBLASTX:Soybean
Start	2017	End	2544
GI	none	Score	57
Exons	2017..2076, 2143..2370, 2199..2363, 2359..2544		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o3.tw	Method	TBLASTX:Wheat
Start	2166	End	3028
GI	none	Score	240
Exons	2166..2540, 2167..2541, 2299..2544, 2542..2574, 2930..3028		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o2.tm	Method	TBLASTX:Maize
Start	2930	End	3383
GI	none	Score	100
Exons	2930..3028, 2933..3028, 3026..3289, 3030..3296, 3327..3383, 3332..3370		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-

Start	3056	End	6358
Name	OJ000250_40.0211.C22.o2.gs	Method	GENSCAN
Start	3056	End	6358
GI	none	Score	.41
Exons	3056..3212, 4314..4403, 5895..6358		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o1.tw	Method	TBLASTX:Wheat
Start	3126	End	3494
GI	none	Score	230
Exons	3126..3386, 3239..3373, 3354..3389, 3385..3492, 3390..3494		

Seq. No.	28898	Seq. ID	OJ000250_40.0211.C22
Gene No.	59679	Strand	-
Start	3056	End	6358
Name	OJ000250_40.0211.C22.o3.tm	Method	TBLASTX:Maize
Start	3393	End	3681
GI	none	Score	60
Exons	3393..3503, 3393..3515, 3394..3543, 3403..3549, 3550..3609, 3607..3681		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59680	Strand	+
Start	1742	End	7415
Name	OJ000250_40.0211.C23.o1.np	Method	AAT/NAP
Start	1742	End	7415
GI	4680207	Score	1056
Exons	1742..2549, 3725..4653, 4690..5600, 7312..7415		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59681	Strand	+
Start	9819	End	10475
Name	OJ000250_40.0211.C23.o2.gs	Method	GENSCAN
Start	9819	End	10475
GI	none	Score	.83
Exons	9819..10094, 10359..10475		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o2.tc	Method	TBLASTX:Cress
Start	2317	End	4385
GI	none	Score	74
Exons	2317..2379, 3639..3752, 3879..3971, 3978..4214, 4302..4385		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o1.ts	Method	TBLASTX:Soybean
Start	3639	End	4379
GI	none	Score	93
Exons	3639..3761, 3824..3946, 3867..3956, 4050..4190, 4050..4190, 4221..4379, 4233..4268		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o2.tm	Method	TBLASTX:Maize
Start	3885	End	4373
GI	none	Score	86
Exons	3885..3956, 4044..4190, 4082..4189, 4221..4373, 4221..4367		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o3.gs	Method	GENSCAN
Start	11545	End	18926
GI	none	Score	.94
Exons	11545..11679, 12012..12227, 12456..12555, 13121..13323, 13886..15674, 16273..16401, 16776..16879, 18676..18730, 18811..18926		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o1.tm	Method	TBLASTX:Maize
Start	12048	End	14480
GI	none	Score	85
Exons	12048..12107, 12063..12221, 12067..12093, 12104..12232, 12104..12229, 12462..12539, 12475..12543, 13120..13317, 13121..13240, 13979..14080, 14114..14479, 14157..14480		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o2.np	Method	AAT/NAP
Start	12426	End	19892
GI	5678827	Score	858
Exons	12426..12485, 14200..15674, 16273..16401, 16776..16879, 16965..17059, 18053..18110, 18676..18730, 19822..19892		
GI Descrip.	(AF151646) PC-MYB1 [Arabidopsis thaliana] gi|5915721|gb|AAD53110.2|AF176005_1 (AF176005) putative c-myb-like transcription factor [Arabidopsis thaliana]		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o2.ts	Method	TBLASTX:Soybean
Start	14249	End	18110
GI	none	Score	122
Exons	14249..14356, 15587..15676, 16272..16442, 16272..16307, 16272..16403, 16311..16403, 16773..16880, 16775..16882, 16963..17061, 16965..17060, 16965..17060, 18042..18110		

Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o1.tc	Method	TBLASTX:Cress
Start	15455	End	17048
GI	none	Score	89

Exons	15455..15676, 16261..16401, 16268..16402, 16272..16403, 16272..16403, 16273..16407, 16773..16874, 16775..16876, 16779..16856, 16799..16882, 16965..17048		
Seq. No.	28899	Seq. ID	OJ000250_40.0211.C23
Gene No.	59682	Strand	-
Start	11545	End	20383
Name	OJ000250_40.0211.C23.o4.gs	Method	GENSCAN
Start	19661	End	20383
GI	none	Score	.96
Exons	19661..20383		
Seq. No.	28900	Seq. ID	OJ000250_40.0211.C25
Gene No.	59683	Strand	+
Start	1	End	148
Name	OJ000250_40.0211.C25.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	none	Score	170
Exons	1..148		
Seq. No.	28900	Seq. ID	OJ000250_40.0211.C25
Gene No.	59684	Strand	+
Start	87	End	148
Name	OJ000250_40.0211.C25.o1.gs	Method	GENSCAN
Start	87	End	148
GI	none	Score	.84
Exons	87..148		
Seq. No.	28901	Seq. ID	OJ000250_40.0211.C30
Gene No.	59685	Strand	+
Start	250	End	844
Name	OJ000250_40.0211.C30.o1.gs	Method	GENSCAN
Start	250	End	827
GI	none	Score	.6
Exons	250..827		
Seq. No.	28901	Seq. ID	OJ000250_40.0211.C30
Gene No.	59685	Strand	+
Start	250	End	844
Name	OJ000250_40.0211.C30.o1.gp	Method	AAT/GAP
Start	588	End	844
GI	29667_1.R1084	Score	506
Exons	588..844		
GI Descrip.	'4455338/emb|CAB36798.1| 5.0e-13 (AL035525) putative protein [Arabidopsis thaliana]'		
Seq. No.	28902	Seq. ID	OJ000250_40.0211.C31
Gene No.	59686	Strand	+
Start	71	End	283
Name	OJ000250_40.0211.C31.o1.gs	Method	GENSCAN
Start	71	End	283
GI	none	Score	.8
Exons	71..283		
Seq. No.	28902	Seq. ID	OJ000250_40.0211.C31
Gene No.	59687	Strand	-
Start	463	End	1025

Name	OJ000250_40.0211.C31.o2.gs	Method	GENSCAN
Start	463	End	1025
GI	none	Score	.46
Exons	463..469, 944..1025		

Seq. No.	28903	Seq. ID	OJ000250_40.0211.C32
Gene No.	59688	Strand	+
Start	1	End	858
Name	OJ000250_40.0211.C32.o1.np	Method	AAT/NAP
Start	1	End	858
GI	6063554	Score	132
Exons	1..31, 340..368, 685..858		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28903	Seq. ID	OJ000250_40.0211.C32
Gene No.	59689	Strand	-
Start	590	End	671
Name	OJ000250_40.0211.C32.o1.gs	Method	GENSCAN
Start	590	End	671
GI	none	Score	.54
Exons	590..671		

Seq. No.	28904	Seq. ID	OJ000250_40.0211.C33
Gene No.	59690	Strand	+
Start	196	End	487
Name	OJ000250_40.0211.C33.o1.gs	Method	GENSCAN
Start	196	End	487
GI	none	Score	.59
Exons	196..398, 440..487		

Seq. No.	28905	Seq. ID	OJ000250_43.0214.C1
Gene No.	59691	Strand	-
Start	8	End	292
Name	OJ000250_43.0214.C1.o1.gs	Method	GENSCAN
Start	8	End	292
GI	none	Score	.43
Exons	8..292		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59692	Strand	+
Start	11878	End	15224
Name	OJ000250_43.0214.C5.o2.np	Method	AAT/NAP
Start	11878	End	13692
GI	461978	Score	531
Exons	11878..11952, 12730..13692		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE A PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE A) ((1->3)-BETA-GLUCANASE A) (ACIDIC BETA-1,3-GLUCANASE) (BETA-1,3-ENDOGLUCANASE A) gi|282944|pir||S26240 beta-glucanase - tomato gi|170380 (M80604) beta-1,3-glucanase [Lycopersicon esculentum]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59692	Strand	+
Start	11878	End	15224
Name	OJ000250_43.0214.C5.o3.np	Method	AAT/NAP

Start	11941	End	14360
GI	4835761	Score	224
Exons	11941..12018, 12790..13287, 13718..14001, 14340..14360		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59692	Strand	+
Start	11878	End	15224
Name	OJ000250_43.0214.C5.o1.np	Method	AAT/NAP
Start	12727	End	13464
GI	2921323	Score	995
Exons	12727..13464		
GI Descrip.	(AF034112) beta-1,3-glucanase 7 [Glycine max]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59692	Strand	+
Start	11878	End	15224
Name	OJ000250_43.0214.C5.o2.gp	Method	AAT/GAP
Start	13916	End	15224
GI	286358	Score	606
Exons	13916..13984, 14861..14891, 14998..15224		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59693	Strand	+
Start	17149	End	18597
Name	OJ000250_43.0214.C5.o5.np	Method	AAT/NAP
Start	17149	End	18597
GI	6503012	Score	138
Exons	17149..17348, 18505..18597		
GI Descrip.	(AF174428) FH protein interacting protein FIP1 [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59694	Strand	+
Start	20649	End	23432
Name	OJ000250_43.0214.C5.o6.np	Method	AAT/NAP
Start	20649	End	23432
GI	6006375	Score	752
Exons	20649..20726, 22824..23432		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59695	Strand	+
Start	32265	End	35434
Name	OJ000250_43.0214.C5.o4.gs	Method	GENSCAN
Start	32265	End	35434
GI	none	Score	.94
Exons	32265..33157, 34750..35434		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59696	Strand	+
Start	56211	End	56576
Name	OJ000250_43.0214.C5.o8.gs	Method	GENSCAN
Start	56211	End	56576
GI	none	Score	.78
Exons	56211..56343, 56539..56576		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59697	Strand	+
Start	69319	End	71132
Name	OJ000250_43.0214.C5.o10.gs	Method	GENSCAN
Start	69319	End	71132
GI	none	Score	.92
Exons	69319..69384, 69873..69956, 69965..70258, 70684..70738, 70761..70977, 71081..71132		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59697	Strand	+
Start	69319	End	71132
Name	OJ000250_43.0214.C5.o13.np	Method	AAT/NAP
Start	69965	End	70325
GI	2702279	Score	271
Exons	69965..70325		
GI Descrip.	(AC003033) putative phosphate transporter [Arabidopsis thaliana] gi|2780345|dbj|BAA24280| (AB000093) inorganic phosphate transporter [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59698	Strand	+
Start	72547	End	73760
Name	OJ000250_43.0214.C5.o11.gs	Method	GENSCAN
Start	72547	End	73760
GI	none	Score	.63
Exons	72547..72580, 73214..73384, 73549..73760		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59699	Strand	+
Start	76247	End	79914
Name	OJ000250_43.0214.C5.o12.gs	Method	GENSCAN
Start	76247	End	79914
GI	none	Score	.47
Exons	76247..76286, 76568..76764, 77110..77138, 77988..78036, 79108..79506, 79654..79747, 79784..79914		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59700	Strand	+
Start	82335	End	94586
Name	OJ000250_43.0214.C5.o15.np	Method	AAT/NAP
Start	82335	End	86889
GI	6016874	Score	673
Exons	82335..82568, 82956..83115, 83503..83667, 83926..84317, 84764..85031, 85733..85815, 86868..86889		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59700	Strand	+
Start	82335	End	94586
Name	OJ000250_43.0214.C5.o14.gs	Method	GENSCAN
Start	85422	End	94586
GI	none	Score	.68
Exons	85422..85436, 85711..85875, 86046..86154, 86349..86450,		

86559..86737, 89349..89492, 89522..89664, 90377..90423,
91025..91303, 91431..91599, 92506..92720, 92802..92949,
94463..94586

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59700	Strand	+
Start	82335	End	94586
Name	OJ000250_43.0214.C5.o10.gp	Method	AAT/GAP
Start	90121	End	93272
GI	13796_1.R1084	Score	2723
Exons	90121..90423, 90919..91303, 91431..91599, 92458..92720, 92802..92949, 93104..93272		
GI Descrip.	'4093155 2.0e-41 (AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59700	Strand	+
Start	82335	End	94586
Name	OJ000250_43.0214.C5.o16.np	Method	AAT/NAP
Start	91029	End	93203
GI	4093155	Score	318
Exons	91029..91090, 92458..92720, 92817..92949, 93104..93203		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59701	Strand	+
Start	97259	End	97623
Name	OJ000250_43.0214.C5.o17.np	Method	AAT/NAP
Start	97259	End	97623
GI	132672	Score	200
Exons	97259..97623		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59702	Strand	-
Start	178	End	10019
Name	OJ000250_43.0214.C5.o1.gs	Method	GENSCAN
Start	178	End	10019
GI	none	Score	.44
Exons	178..235, 335..584, 3064..3238, 3657..3846, 3940..4248, 4438..4583, 9936..10019		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59702	Strand	-
Start	178	End	10019
Name	OJ000250_43.0214.C5.o1.gp	Method	AAT/GAP
Start	179	End	662
GI	none	Score	956
Exons	179..662		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59703	Strand	-
Start	15849	End	17091

Name	OJ000250_43.0214.C5.o4.np	Method	AAT/NAP
Start	15849	End	17091
GI	3377509	Score	202
Exons	15849..15980, 16794..16956, 17034..17091		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59704	Strand	-
Start	23782	End	24309
Name	OJ000250_43.0214.C5.o3.gp	Method	AAT/GAP
Start	23782	End	24309
GI	21466_1.R1084	Score	965
Exons	23782..24309		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59705	Strand	-
Start	27657	End	41888
Name	OJ000250_43.0214.C5.o7.np	Method	AAT/NAP
Start	27657	End	41281
GI	4773917	Score	575
Exons	27657..27737, 39354..39494, 39626..39707, 40553..40593, 40733..40785, 40834..41281		
GI Descrip.	(AF147259) similar to human prostate-specific membrane antigen (PSM) (SP:Q04609) [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59705	Strand	-
Start	27657	End	41888
Name	OJ000250_43.0214.C5.o4.gp	Method	AAT/GAP
Start	37107	End	37551
GI	none	Score	794
Exons	37107..37551		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59705	Strand	-
Start	27657	End	41888
Name	OJ000250_43.0214.C5.o5.gs	Method	GENSCAN
Start	37482	End	41770
GI	none	Score	.89
Exons	37482..37664, 37775..37915, 38002..38118, 38387..38476, 38817..38885, 39378..39470, 39626..39707, 40553..40620, 40748..41770		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59705	Strand	-
Start	27657	End	41888
Name	OJ000250_43.0214.C5.o8.np	Method	AAT/NAP
Start	38742	End	41888
GI	5734709	Score	163
Exons	38742..38759, 41123..41888		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59705	Strand	-

Start	27657	End	41888
Name	OJ000250_43.0214.C5.o5.gp	Method	AAT/GAP
Start	40816	End	41102
GI	uC-osroM202039h07a1	Score	559
Exons	40816..41102		
GI Descrip.	'4773917/gb|AAD29787.1|AF147259_10 9.0e-21 (AF147259) similar to human prostate-specific membrane antigen (PSM) (SP:Q04609) [Arabidopsis thaliana]'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59706	Strand	-
Start	44116	End	51719
Name	OJ000250_43.0214.C5.o9.np	Method	AAT/NAP
Start	43435	End	47087
GI	6815109	Score	165
Exons	43435..43461, 45736..46022, 46965..47087		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59706	Strand	-
Start	44116	End	51719
Name	OJ000250_43.0214.C5.o6.gs	Method	GENSCAN
Start	44116	End	51719
GI	none	Score	.85
Exons	44116..44193, 45405..45596, 46965..47098, 47361..47498, 47958..48126, 48227..48367, 49366..49428, 49630..49785, 49864..49956, 50181..50262, 50512..50579, 50661..51719		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59706	Strand	-
Start	44116	End	51719
Name	OJ000250_43.0214.C5.o10.np	Method	AAT/NAP
Start	47239	End	51244
GI	5596370	Score	337
Exons	47239..47259, 48785..48877, 49076..49269, 49366..49428, 49630..49785, 49864..49956, 50181..50262, 50512..50583, 50668..50975, 51003..51244		
GI Descrip.	(AF067864) transferrin receptor 2 alpha [Homo sapiens]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59706	Strand	-
Start	44116	End	51719
Name	OJ000250_43.0214.C5.o6.gp	Method	AAT/GAP
Start	51000	End	51347
GI	uC-osroM202008d03b1	Score	675
Exons	51000..51347		
GI Descrip.	'1825687 4.0e-09 (U88179) similar to human prostrate-specific membrane antigen (PSM) (SP:Q04609) [Caenorhabditis elegans]'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59707	Strand	-
Start	56150	End	56487
Name	OJ000250_43.0214.C5.o7.gp	Method	AAT/GAP
Start	56150	End	56487
GI	2310303	Score	656
Exons	56150..56487		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59708	Strand	-
Start	58940	End	69081
Name	OJ000250_43.0214.C5.o9.gs	Method	GENSCAN
Start	58940	End	69081
GI	none	Score	.64
Exons	58940..59169, 61011..61077, 61311..61906, 61971..62209, 63155..63319, 63979..64139, 64533..64683, 64768..64865, 64954..65105, 65383..65488, 65584..65673, 65753..65898, 66481..66780, 68412..69081		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59708	Strand	-
Start	58940	End	69081
Name	OJ000250_43.0214.C5.o11.np	Method	AAT/NAP
Start	59867	End	63925
GI	4585884	Score	202
Exons	59867..60143, 60707..60886, 63897..63925		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59708	Strand	-
Start	58940	End	69081
Name	OJ000250_43.0214.C5.o8.gp	Method	AAT/GAP
Start	59935	End	60889
GI	13729_1.R1084	Score	704
Exons	59935..60133, 60697..60889		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-26 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59708	Strand	-
Start	58940	End	69081
Name	OJ000250_43.0214.C5.o9.gp	Method	AAT/GAP
Start	63721	End	65446
GI	85048_1.R1084	Score	1831
Exons	63721..64139, 64244..64351, 64533..64683, 64768..64865, 64954..65105, 65383..65446		
GI Descrip.	'4580398/gb|AAD24376.1|AC007171_12 2.0e-38 (AC007171) putative protein kinase APK1A [Arabidopsis thaliana]'		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59708	Strand	-
Start	58940	End	69081
Name	OJ000250_43.0214.C5.o12.np	Method	AAT/NAP
Start	63784	End	65926
GI	1809257	Score	243
Exons	63784..63906, 64255..64365, 64586..64683, 64768..64834, 64935..65115, 65402..65488, 65584..65673, 65750..65926		
GI Descrip.	(U59316) serine/threonine protein kinase Pto [Lycopersicon esculentum]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59709	Strand	-
Start	99029	End	100168
Name	OJ000250_43.0214.C5.o18.np	Method	AAT/NAP
Start	99029	End	100168

GI	3687231	Score	1069
Exons	99029..99120, 99148..99983, 100014..100168		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59709	Strand	-
Start	99029	End	100168
Name	OJ000250_43.0214.C5.o11.gp	Method	AAT/GAP
Start	99606	End	99936
GI	4878457	Score	650
Exons	99606..99936		
GI Descrip.	3687231 2.0e-33 (AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o11.tm	Method	TBLASTX:Maize
Start	88	End	669
GI	none	Score	171
Exons	88..237, 98..238, 113..238, 332..373, 334..378, 334..372, 454..555, 475..549, 482..559, 610..669		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o2.tw	Method	TBLASTX:Wheat
Start	88	End	589
GI	none	Score	129
Exons	88..150, 148..237, 149..250, 332..403, 334..402, 439..516, 441..518, 478..519, 511..579, 524..589		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o3.ts	Method	TBLASTX:Soybean
Start	12703	End	13179
GI	none	Score	356
Exons	12703..13179, 12723..13178		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o1.tm	Method	TBLASTX:Maize
Start	12708	End	13815
GI	none	Score	1854
Exons	12708..13466, 12709..13815, 13042..13758, 13521..13814		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o1.tc	Method	TBLASTX:Cress
Start	12718	End	13983
GI	none	Score	185
Exons	12718..13014, 13030..13098, 13201..13323, 13336..13530, 13545..13694, 13549..13698, 13726..13983		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o3.tw	Method	TBLASTX:Wheat
Start	12727	End	13137
GI	none	Score	188
Exons	12727..13014, 12732..12905, 12972..13022, 13033..13137, 13045..13128		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o1.ts	Method	TBLASTX:Soybean
Start	13242	End	13875
GI	none	Score	633
Exons	13242..13868, 13242..13466, 13243..13875, 13243..13758, 13439..13867, 13521..13874		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o4.tw	Method	TBLASTX:Wheat
Start	13735	End	75412
GI	none	Score	90
Exons	13735..13815, 13743..13814, 13819..13983, 13866..13985, 75365..75412		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o9.tm	Method	TBLASTX:Maize
Start	13815	End	15320
GI	none	Score	302
Exons	13815..13985, 13816..13986, 13816..13989, 14849..14896, 14945..15160, 14957..15127, 14958..15182, 15000..15203, 15279..15320, 15282..15314		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o7.tc	Method	TBLASTX:Cress
Start	16790	End	17088
GI	none	Score	149
Exons	16790..16957, 16803..16961, 17026..17088, 17027..17086		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o16.tm	Method	TBLASTX:Maize
Start	16800	End	17088
GI	none	Score	138
Exons	16800..16958, 16802..16957, 17026..17088, 17027..17086		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o10.ts	Method	TBLASTX:Soybean

Start	16802	End	17094
GI	none	Score	153
Exons	16802..16957, 16803..16958, 17026..17094, 17033..17089		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o14.tm	Method	TBLASTX:Maize
Start	17145	End	17361
GI	none	Score	222
Exons	17145..17168, 17180..17317, 17181..17318, 17181..17357, 17203..17361		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o6.tc	Method	TBLASTX:Cress
Start	34678	End	35107
GI	none	Score	35
Exons	34678..34758, 34814..34942, 34858..34941, 34945..35046, 34946..35107		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o5.ts	Method	TBLASTX:Soybean
Start	34853	End	35182
GI	none	Score	132
Exons	34853..34942, 34861..34941, 34945..34992, 34946..35020, 34999..35049, 35003..35113, 35126..35182		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o1.tw	Method	TBLASTX:Wheat
Start	37482	End	48370
GI	none	Score	120
Exons	37482..37664, 37483..37653, 37772..37849, 37841..37912, 47940..48125, 47943..48116, 47944..48126, 47945..48121, 47945..48127, 48224..48292, 48224..48301, 48228..48302, 48291..48365, 48291..48365, 48293..48370, 48299..48370		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o4.tm	Method	TBLASTX:Maize
Start	37482	End	48370
GI	none	Score	129
Exons	37482..37664, 37483..37653, 37772..37912, 47943..48128, 47943..48125, 47944..48126, 48224..48361, 48224..48370, 48228..48365		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o9.ts	Method	TBLASTX:Soybean
Start	37482	End	48322

GI	none	Score	135
Exons	37482..37664, 37495..37662, 37754..37882, 37755..37856, 47944..48126, 47945..48082, 48224..48322, 48231..48317		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o2.tm	Method	TBLASTX:Maize
Start	38024	End	51003
GI	none	Score	54
Exons	38024..38119, 38212..38304, 38220..38303, 38225..38320, 38225..38329, 38358..38468, 38359..38454, 38521..38667, 39109..39168, 39109..39162, 39172..39273, 39173..39280, 39363..39464, 39388..39447, 39614..39709, 39623..39709, 39627..39710, 40528..40620, 40547..40621, 40751..40948, 40751..40981, 40755..40982, 40860..41054, 40883..41053, 48483..48578, 48505..48573, 48780..48875, 48782..48874, 48956..49042, 48957..49043, 49159..49257, 49175..49258, 49178..49261, 49179..49271, 49341..49424, 49345..49422, 49363..49428, 49367..49429, 49615..49710, 49626..49787, 49626..49784, 49627..49818, 49667..49828, 49861..49956, 49865..49957, 49869..49958, 50178..50267, 50181..50267, 50509..50580, 50511..50579, 50661..50984, 50661..50975, 50662..51003, 50804..51001		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o8.ts	Method	TBLASTX:Soybean
Start	41129	End	51515
GI	none	Score	75
Exons	41129..41200, 41201..41371, 41366..41584, 41445..41531, 51024..51131, 51150..51293, 51324..51515		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o8.tc	Method	TBLASTX:Cress
Start	41210	End	51515
GI	none	Score	114
Exons	41210..41308, 41318..41584, 51150..51245, 51252..51515		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o17.tm	Method	TBLASTX:Maize
Start	60032	End	60858
GI	none	Score	94
Exons	60032..60142, 60697..60858, 60704..60850		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o3.tc	Method	TBLASTX:Cress
Start	63972	End	64811
GI	none	Score	155
Exons	63972..64121, 63976..64140, 63991..64143, 64232..64351,		

64236..64352, 64530..64562, 64551..64682, 64582..64683,
64767..64811, 64776..64802

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o11.ts	Method	TBLASTX:Soybean
Start	64563	End	65857
GI	none	Score	80
Exons	64563..64682, 64767..64805, 64833..64865, 64948..65106, 65399..65503, 65581..65637, 65756..65857		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o6.tw	Method	TBLASTX:Wheat
Start	64590	End	65094
GI	none	Score	66
Exons	64590..64682, 64767..64805, 64833..64865, 64942..65088, 64951..65094		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o3.tm	Method	TBLASTX:Maize
Start	64633	End	65674
GI	none	Score	70
Exons	64633..64683, 64633..64686, 64765..64869, 64767..64865, 64770..64877, 64948..65106, 64951..65088, 64959..65099, 65009..65107, 65370..65486, 65372..65485, 65584..65673, 65585..65674		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o9.tc	Method	TBLASTX:Cress
Start	64951	End	65109
GI	none	Score	191
Exons	64951..65109		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o5.tm	Method	TBLASTX:Maize
Start	69807	End	70260
GI	none	Score	212
Exons	69807..69839, 69955..70086, 69956..70111, 70121..70252, 70123..70260		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o4.tc	Method	TBLASTX:Cress
Start	69955	End	70260
GI	none	Score	198
Exons	69955..70086, 69956..70120, 70123..70260, 70124..70258		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o7.ts	Method	TBLASTX:Soybean
Start	69955	End	70260
GI	none	Score	192
Exons	69955..70083, 69956..70111, 70121..70258, 70123..70260		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o8.tm	Method	TBLASTX:Maize
Start	82320	End	82763
GI	none	Score	50
Exons	82320..82364, 82392..82649, 82392..82637, 82394..82651, 82668..82730, 82725..82763		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o7.tm	Method	TBLASTX:Maize
Start	82857	End	83171
GI	none	Score	73
Exons	82857..82937, 82947..83171, 82952..83167		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o12.tm	Method	TBLASTX:Maize
Start	83370	End	83681
GI	none	Score	218
Exons	83370..83555, 83388..83534, 83390..83554, 83556..83681, 83579..83665		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o13.ts	Method	TBLASTX:Soybean
Start	83415	End	84196
GI	none	Score	71
Exons	83415..83522, 83970..84191, 83975..84196		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o10.tm	Method	TBLASTX:Maize
Start	83960	End	84206
GI	none	Score	135
Exons	83960..84199, 83960..84205, 83964..84206		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o4.ts	Method	TBLASTX:Soybean
Start	92455	End	93158
GI	none	Score	104
Exons	92455..92526, 92456..92578, 92594..92716, 92605..92715,		

92795..92947, 92828..92950, 93105..93158

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o5.tc	Method	TBLASTX:Cress
Start	92455	End	93167
GI	none	Score	96
Exons	92455..92532, 92456..92536, 92537..92716, 92569..92709, 92828..92950, 92873..92950, 92980..93039, 93102..93167		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o15.tm	Method	TBLASTX:Maize
Start	92524	End	92727
GI	none	Score	217
Exons	92524..92727, 92534..92725		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o12.ts	Method	TBLASTX:Soybean
Start	97357	End	97548
GI	none	Score	202
Exons	97357..97545, 97357..97548		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o5.tw	Method	TBLASTX:Wheat
Start	97380	End	97553
GI	none	Score	212
Exons	97380..97544, 97381..97545, 97381..97548, 97383..97553		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o6.ts	Method	TBLASTX:Soybean
Start	99221	End	99475
GI	none	Score	255
Exons	99221..99445, 99222..99446, 99425..99475, 99426..99473		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o13.tm	Method	TBLASTX:Maize
Start	99341	End	99559
GI	none	Score	222
Exons	99341..99523, 99342..99515, 99518..99559, 99518..99559		

Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o2.tc	Method	TBLASTX:Cress
Start	99486	End	99901
GI	none	Score	162

Exons	99486..99707, 99500..99706, 99530..99724, 99710..99901		
Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o2.ts	Method	TBLASTX:Soybean
Start	99495	End	99901
GI	none	Score	96
Exons	99495..99584, 99497..99583, 99578..99901, 99578..99901		
Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o6.tm	Method	TBLASTX:Maize
Start	99683	End	99976
GI	none	Score	102
Exons	99683..99832, 99683..99832, 99830..99976, 99833..99901, 99891..99962		
Seq. No.	28906	Seq. ID	OJ000250_43.0214.C5
Gene No.	59710	Strand	-
Start	101382	End	103379
Name	OJ000250_43.0214.C5.o16.gs	Method	GENSCAN
Start	101382	End	103379
GI	none	Score	.65
Exons	101382..101509, 101867..101941, 102275..102398, 102516..102662, 103275..103379		
Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59711	Strand	+
Start	1302	End	1729
Name	OJ000250_43.0214.C6.o1.gp	Method	AAT/GAP
Start	1302	End	1729
GI	LIB3479-006-Q6-K1-B11	Score	622
Exons	1302..1729		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59712	Strand	+
Start	4138	End	7869
Name	OJ000250_43.0214.C6.o2.gs	Method	GENSCAN
Start	4138	End	7869
GI	none	Score	.84
Exons	4138..4228, 4776..7049, 7847..7869		
Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59712	Strand	+
Start	4138	End	7869
Name	OJ000250_43.0214.C6.o2.np	Method	AAT/NAP
Start	4138	End	7206
GI	6015065	Score	3833
Exons	4138..4228, 4776..7206		
GI Descrip.	ELONGATION FACTOR 2 (EF-2) gi|2369714|emb|CAB09900| (Z97178) elongation factor 2 [Beta vulgaris]		
Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6

Gene No.	59713	Strand	+
Start	16316	End	19917
Name	OJ000250_43.0214.C6.o4.gs	Method	GENSCAN
Start	16316	End	19637
GI	none	Score	.79
Exons	16316..19040, 19171..19637		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59713	Strand	+
Start	16316	End	19917
Name	OJ000250_43.0214.C6.o4.np	Method	AAT/NAP
Start	16316	End	19601
GI	5107831	Score	1871
Exons	16316..18729, 18775..19040, 19171..19601		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59713	Strand	+
Start	16316	End	19917
Name	OJ000250_43.0214.C6.o2.gp	Method	AAT/GAP
Start	16559	End	16860
GI	4715926	Score	595
Exons	16559..16860		
GI Descrip.	5107831/gb|AAD40144.1|AF149413_25 4.0e-13 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59713	Strand	+
Start	16316	End	19917
Name	OJ000250_43.0214.C6.o3.gp	Method	AAT/GAP
Start	17012	End	17407
GI	LIB3477-005-P1-K1-H1	Score	744
Exons	17012..17407		
GI Descrip.	'5107831/gb|AAD40144.1|AF149413_25 8.0e-25 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]'		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59713	Strand	+
Start	16316	End	19917
Name	OJ000250_43.0214.C6.o4.gp	Method	AAT/GAP
Start	18979	End	19917
GI	91891_1.R1084	Score	1553
Exons	18979..19040, 19171..19917		
GI Descrip.	'1899025 7.0e-15 (U28215) hexokinase 2 [Arabidopsis thaliana] >gi_3687232 (AC005169) hexokinase [Arabidopsis thaliana]'		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59714	Strand	-
Start	2443	End	3077
Name	OJ000250_43.0214.C6.o1.np	Method	AAT/NAP

Start	1061	End	1973
GI	6539570	Score	183
Exons	1061..1127, 1315..1476, 1934..1973		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59714	Strand	-
Start	2443	End	3077
Name	OJ000250_43.0214.C6.o1.gs	Method	GENSCAN
Start	2443	End	3077
GI	none	Score	.87
Exons	2443..2568, 2828..2921, 3013..3077		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59715	Strand	-
Start	8341	End	12185
Name	OJ000250_43.0214.C6.o3.gs	Method	GENSCAN
Start	8341	End	12185
GI	none	Score	.43
Exons	8341..9408, 10165..10314, 10481..10544, 11587..11698, 12104..12185		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59715	Strand	-
Start	8341	End	12185
Name	OJ000250_43.0214.C6.o3.np	Method	AAT/NAP
Start	8344	End	9361
GI	4972058	Score	1044
Exons	8344..9361		
GI Descrip.	(AL078470) putative protein [Arabidopsis thaliana]		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o2.tc	Method	TBLASTX:Cress
Start	4079	End	5554
GI	none	Score	87
Exons	4079..4225, 4102..4227, 4113..4235, 4114..4230, 4774..4914, 4775..5554, 4902..5108, 4975..5532		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o1.ts	Method	TBLASTX:Soybean
Start	4111	End	7212
GI	none	Score	150
Exons	4111..4230, 4120..4230, 4134..4235, 4774..4911, 4775..5641, 4905..5111, 4975..5601, 5599..6480, 5600..6481, 5600..6481, 6057..6482, 6463..6543, 6464..6544, 6508..6717, 6509..6721, 6536..6730, 6725..7135, 6725..7111, 6732..7115, 6895..7116, 7111..7212, 7125..7187		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o1.tm	Method	TBLASTX:Maize
Start	4116	End	7242

GI	none	Score	140
Exons	4116..4235, 4138..4230, 4774..4914, 4775..5641, 4895..5644, 5599..6723, 5600..6724, 5600..6730, 6375..6731, 6703..6819, 6725..7135, 6725..7120, 7104..7187, 7111..7242, 7111..7233		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o3.tw	Method	TBLASTX:Wheat
Start	4119	End	5173
GI	none	Score	71
Exons	4119..4235, 4125..4226, 4126..4230, 4774..4914, 4775..5173, 4895..5170, 4975..5172		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o4.tw	Method	TBLASTX:Wheat
Start	5467	End	5836
GI	none	Score	196
Exons	5467..5601, 5471..5641, 5483..5644, 5599..5835, 5599..5835, 5600..5836, 5600..5836		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o1.tc	Method	TBLASTX:Cress
Start	5599	End	7230
GI	none	Score	1767
Exons	5599..6723, 5600..6724, 6725..7135, 6725..7111, 6732..7112, 6895..7134, 7120..7230, 7131..7187		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o1.tw	Method	TBLASTX:Wheat
Start	5917	End	6562
GI	none	Score	639
Exons	5917..6450, 5918..6562, 5923..6561, 5924..6562		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o2.tw	Method	TBLASTX:Wheat
Start	6620	End	7107
GI	none	Score	183
Exons	6620..6724, 6622..6723, 6724..6819, 6725..7093, 6725..7084, 6726..7085, 6892..7107		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o2.tm	Method	TBLASTX:Maize
Start	8258	End	8878
GI	none	Score	55
Exons	8258..8293, 8309..8878, 8341..8877		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o2.ts	Method	TBLASTX:Soybean
Start	8359	End	9250
GI	none	Score	294
Exons	8359..8790, 8359..9249, 8495..9250		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o5.tc	Method	TBLASTX:Cress
Start	8830	End	9264
GI	none	Score	252
Exons	8830..9264, 8831..9250		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o3.tc	Method	TBLASTX:Cress
Start	16505	End	19475
GI	none	Score	99
Exons	16505..16657, 16541..16744, 16544..16750, 16550..16744, 16553..16747, 16607..16747, 16748..16942, 16760..16897, 16762..16884, 16763..17173, 16763..16942, 16766..16897, 16781..16894, 16868..17113, 17075..17173, 17180..17245, 17228..17413, 17228..17347, 17228..17413, 17231..17416, 17237..17410, 17237..17401, 17237..17410, 17239..17409, 17240..17380, 17245..17340, 17273..17425, 17278..17427, 17319..17426, 17321..17416, 17417..17701, 17419..17475, 17423..17692, 17426..17692, 17429..17629, 17438..17701, 17453..17692, 17453..17707, 17516..17695, 17518..17691, 17522..17692, 17525..17701, 17525..17701, 17573..17710, 17708..17788, 17762..17830, 17774..17833, 17774..17833, 17795..17836, 17795..17836, 17798..17830, 17798..18040, 17798..18028, 17803..17829, 17837..18040, 17837..17977, 17837..18040, 17849..18040, 17849..18037, 17849..18040, 17849..18040, 17849..18040, 17849..18040, 17849..17896, 17867..18028, 17872..18114, 17873..18040, 17927..18109, 17953..18180, 18587..18733, 18604..18732, 18806..18991, 18811..18969, 18988..19038, 18989..19039, 19179..19265, 19190..19273, 19365..19475		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o7.tw	Method	TBLASTX:Wheat
Start	16505	End	18040
GI	none	Score	167
Exons	16505..16732, 16519..16662, 16553..16744, 16610..16747, 16748..16894, 16763..16870, 16763..16942, 16775..16942, 16949..17173, 17021..17176, 17057..17173, 17231..17422, 17438..17692, 17849..18040, 17849..18025, 17858..18037		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387

Name	OJ000250_43.0214.C6.o3.ts	Method	TBLASTX:Soybean
Start	16541	End	19253
GI	none	Score	81
Exons	16541..16735, 16541..16747, 16544..16744, 16553..16744, 16610..16747, 16733..16942, 16748..16885, 16763..16942, 16766..16894, 16766..16867, 16766..16897, 16766..16942, 16790..16963, 16949..17104, 16949..17173, 16949..17173, 16949..17173, 16949..17173, 17012..17173, 17021..17173, 17227..17409, 17228..17413, 17236..17418, 17237..17410, 17240..17416, 17282..17416, 17300..17413, 17417..17692, 17422..17691, 17429..17734, 17434..17733, 17437..17619, 17438..17623, 17453..17710, 17693..17764, 17774..17854, 17795..18040, 17834..18040, 17840..18040, 17849..18040, 17849..18040, 17858..18040, 17858..18040, 17873..18040, 17950..18039, 18593..18733, 18604..18726, 18806..19039, 18817..19038, 19169..19249, 19170..19253		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o5.tm	Method	TBLASTX:Maize
Start	16541	End	18049
GI	none	Score	105
Exons	16541..16744, 16553..16735, 16625..16747, 16664..16747, 16697..16747, 16732..16821, 16733..16900, 16748..16885, 16757..16900, 16757..16951, 16763..16897, 16766..16894, 16766..16894, 16786..16836, 16846..16899, 16949..17173, 16949..17104, 16949..17173, 16949..17173, 16949..17173, 16976..17167, 16982..17173, 17020..17169, 17020..17214, 17021..17173, 17215..17340, 17231..17410, 17240..17329, 17240..17416, 17240..17410, 17245..17418, 17245..17409, 17246..17401, 17279..17416, 17291..17413, 17369..17629, 17423..17704, 17438..17767, 17438..17692, 17453..17614, 17461..17571, 17491..17625, 17492..17692, 17686..17763, 17706..17759, 17762..17836, 17771..17833, 17792..17836, 17849..17968, 17857..18039, 17858..18040, 17861..18049, 17861..18043, 17874..18044, 17930..18040		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o7.tm	Method	TBLASTX:Maize
Start	18049	End	18283
GI	none	Score	56
Exons	18049..18252, 18061..18114, 18098..18211, 18176..18283		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o6.tm	Method	TBLASTX:Maize
Start	18566	End	18862
GI	none	Score	205
Exons	18566..18727, 18604..18726, 18806..18862, 18806..18862		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387

Name	OJ000250_43.0214.C6.o5.tw	Method	TBLASTX:Wheat
Start	18587	End	18943
GI	none	Score	164
Exons	18587..18736, 18610..18708, 18806..18943, 18808..18942		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o4.tm	Method	TBLASTX:Maize
Start	18877	End	19478
GI	none	Score	234
Exons	18877..19038, 18881..19039, 18881..19039, 18945..19040, 19020..19046, 19170..19478, 19171..19221, 19179..19463, 19181..19471		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o3.tm	Method	TBLASTX:Maize
Start	19913	End	23835
GI	none	Score	35
Exons	19913..19933, 20004..20141, 20108..20158, 20269..20631, 20284..20631, 20300..20632, 20427..20636, 20528..20638, 20721..20822, 20722..20832, 20997..21152, 20998..21150, 21017..21151, 21219..21284, 21220..21321, 21224..21322, 21453..21524, 21457..21618, 21459..21623, 21822..21902, 21823..21903, 21836..21904, 22494..22688, 22502..22687, 22738..22932, 22745..22933, 22782..22934, 23679..23813, 23682..23810, 23683..23835		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o5.np	Method	AAT/NAP
Start	20281	End	23975
GI	6594672	Score	1367
Exons	20281..20631, 20724..20805, 21019..21149, 21223..21321, 21462..21617, 21828..21902, 22505..22687, 22784..22934, 23683..23975		
GI Descrip.	(AF118132) chloroplast outer envelope hexokinase 1 [Spinacia oleracea]		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o5.gs	Method	GENSCAN
Start	20284	End	25387
GI	none	Score	.68
Exons	20284..20631, 20724..20805, 21019..21149, 21223..21321, 21462..21617, 21828..21902, 22784..22934, 23683..23929, 24279..24384, 24701..24840, 25273..25387		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o4.ts	Method	TBLASTX:Soybean
Start	20287	End	23829

GI	none	Score	135
Exons	20287..20487, 20288..20482, 20482..20631, 20528..20623, 20716..20808, 20721..20807, 20997..21152, 20998..21150, 21220..21321, 21224..21322, 21452..21598, 21457..21624, 21459..21623, 21822..21902, 21823..21903, 22494..22688, 22502..22690, 22745..22933, 22788..22934, 23679..23777, 23682..23807, 23683..23829		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o6.tw	Method	TBLASTX:Wheat
Start	20287	End	20553
GI	none	Score	143
Exons	20287..20493, 20288..20482, 20494..20553		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o4.tc	Method	TBLASTX:Cress
Start	20295	End	23810
GI	none	Score	72
Exons	20295..20462, 20299..20481, 20306..20371, 20426..20482, 20482..20631, 20517..20642, 20528..20632, 20721..20807, 20722..20808, 20997..21134, 20997..21152, 21040..21150, 21217..21321, 21224..21322, 21457..21624, 21459..21623, 21822..21902, 22502..22687, 22503..22688, 22514..22690, 22745..22933, 22788..22934, 22788..22937, 22795..22935, 23679..23798, 23682..23810, 23683..23808		

Seq. No.	28907	Seq. ID	OJ000250_43.0214.C6
Gene No.	59716	Strand	-
Start	20284	End	25387
Name	OJ000250_43.0214.C6.o5.gp	Method	AAT/GAP
Start	21038	End	21333
GI	700370	Score	549
Exons	21038..21333		
GI Descrip.	1899025 7.0e-15 (U28215) hexokinase 2 [Arabidopsis thaliana] >gi_3687232 (AC005169) hexokinase [Arabidopsis thaliana]		

Seq. No.	28908	Seq. ID	OJ000250_37.0210.C2
Gene No.	59717	Strand	+
Start	335	End	2332
Name	OJ000250_37.0210.C2.o1.gs	Method	GENSCAN
Start	335	End	2332
GI	none	Score	.88
Exons	335..437, 745..843, 1473..1541, 1707..1740, 1924..2332		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59718	Strand	+
Start	1133	End	6637
Name	OJ000250_37.0210.C3.o1.gs	Method	GENSCAN
Start	1133	End	6637
GI	none	Score	.44
Exons	1133..1163, 3486..4741, 4806..4977, 5221..5406, 5889..6637		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3

Gene No.	59719	Strand	+
Start	6701	End	11871
Name	OJ000250_37.0210.C3.o2.np	Method	AAT/NAP
Start	6701	End	9632
GI	5902445	Score	2531
Exons	6701..8303, 8343..9632		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59719	Strand	+
Start	6701	End	11871
Name	OJ000250_37.0210.C3.o2.gs	Method	GENSCAN
Start	6889	End	11871
GI	none	Score	.53
Exons	6889..7490, 7660..8133, 8145..8421, 8518..8691, 9069..9461, 9553..9692, 10226..10295, 10300..10524, 10643..10726, 10776..11000, 11053..11398, 11560..11683, 11742..11871		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59720	Strand	-
Start	1807	End	3514
Name	OJ000250_37.0210.C3.o1.np	Method	AAT/NAP
Start	1807	End	3514
GI	6721512	Score	86
Exons	1807..1870, 3254..3395, 3423..3514		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o7.tw	Method	TBLASTX:Wheat
Start	4970	End	5369
GI	none	Score	63
Exons	4970..5020, 5021..5071, 5070..5135, 5094..5369, 5174..5254		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o3.tw	Method	TBLASTX:Wheat
Start	5999	End	6766
GI	none	Score	148
Exons	5999..6181, 6007..6180, 6218..6454, 6220..6336, 6512..6766, 6601..6765		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o5.tw	Method	TBLASTX:Wheat
Start	6800	End	6999
GI	none	Score	74
Exons	6800..6961, 6807..6989, 6807..6998, 6808..6999, 6814..6999		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o1.tm	Method	TBLASTX:Maize
Start	6811	End	7131

GI	none	Score	411
Exons	6811..7131, 6837..7130		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o1.tw	Method	TBLASTX:Wheat
Start	7000	End	7419
GI	none	Score	455
Exons	7000..7419, 7074..7160, 7326..7418		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o2.tm	Method	TBLASTX:Maize
Start	7159	End	7542
GI	none	Score	312
Exons	7159..7542, 7326..7541		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o1.ts	Method	TBLASTX:Soybean
Start	7270	End	7629
GI	none	Score	271
Exons	7270..7629, 7329..7454, 7506..7538		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o4.tw	Method	TBLASTX:Wheat
Start	7592	End	8005
GI	none	Score	182
Exons	7592..7822, 7651..7824, 7832..8005		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o3.tm	Method	TBLASTX:Maize
Start	8506	End	8833
GI	none	Score	188
Exons	8506..8712, 8592..8681, 8714..8833, 8716..8793		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o6.tw	Method	TBLASTX:Wheat
Start	8506	End	8891
GI	none	Score	186
Exons	8506..8718, 8517..8711, 8714..8797, 8740..8796, 8781..8891, 8792..8890		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o2.tw	Method	TBLASTX:Wheat
Start	9015	End	9623

GI	none	Score	360
Exons	9015..9467, 9020..9118, 9164..9271, 9492..9623, 9497..9622		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o4.tm	Method	TBLASTX:Maize
Start	9321	End	9587
GI	none	Score	142
Exons	9321..9503, 9378..9509, 9497..9553, 9504..9587		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o3.np	Method	AAT/NAP
Start	11119	End	12300
GI	6721561	Score	1102
Exons	11119..11851, 11925..11983, 12054..12300		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o4.np	Method	AAT/NAP
Start	11916	End	13228
GI	6721558	Score	245
Exons	11916..12110, 12289..12428, 13129..13228		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o3.gs	Method	GENSCAN
Start	11938	End	14902
GI	none	Score	.58
Exons	11938..12024, 12054..12236, 12304..12428, 12595..12889, 12938..13199, 13457..13571, 13598..13708, 13745..13856, 14029..14126, 14698..14902		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717
Name	OJ000250_37.0210.C3.o5.np	Method	AAT/NAP
Start	12395	End	15717
GI	6721512	Score	99
Exons	12395..12461, 13843..13983, 14011..14113, 15678..15717		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28909	Seq. ID	OJ000250_37.0210.C3
Gene No.	59721	Strand	-
Start	11119	End	15717

Name	OJ000250_37.0210.C3.o6.np	Method	AAT/NAP
Start	14515	End	14873
GI	5091507	Score	71
Exons	14515..14618, 14663..14873		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	28910	Seq. ID	OJ000250_37.0210.C4
Gene No.	59722	Strand	-
Start	155	End	1091
Name	OJ000250_37.0210.C4.o1.tm	Method	TBLASTX:Maize
Start	113	End	818
GI	none	Score	43
Exons	113..139, 115..138, 137..172, 165..272, 167..283, 177..272, 392..475, 409..477, 410..478, 555..695, 571..678, 572..700, 590..694, 758..817, 762..818, 763..816		

Seq. No.	28910	Seq. ID	OJ000250_37.0210.C4
Gene No.	59722	Strand	-
Start	155	End	1091
Name	OJ000250_37.0210.C4.o1.gp	Method	AAT/GAP
Start	155	End	787
GI	LIB3479-012-Q6-K1-C4	Score	576
Exons	155..271, 410..475, 570..676, 756..787		
GI Descrip.	'1665817/dbj|BAA13405| 2.0e-12 (D87466) Similar to S.cerevisiae hypothetical protein L3111 (S59316) [Homo sapiens]'		

Seq. No.	28910	Seq. ID	OJ000250_37.0210.C4
Gene No.	59722	Strand	-
Start	155	End	1091
Name	OJ000250_37.0210.C4.o1.tc	Method	TBLASTX:Cress
Start	167	End	677
GI	none	Score	59
Exons	167..289, 186..272, 401..472, 405..500, 409..495, 418..513, 555..677, 576..677		

Seq. No.	28910	Seq. ID	OJ000250_37.0210.C4
Gene No.	59722	Strand	-
Start	155	End	1091
Name	OJ000250_37.0210.C4.o1.np	Method	AAT/NAP
Start	176	End	1091
GI	1665817	Score	79
Exons	176..271, 410..475, 1010..1091		
GI Descrip.	(D87466) Similar to S.cerevisiae hypothetical protein L3111 (S59316) [Homo sapiens]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o5.gs	Method	GENSCAN
Start	29614	End	41444
GI	none	Score	.44
Exons	29614..29860, 29967..30106, 30407..30480, 30671..30782, 31330..31425, 31511..31612, 31989..32129, 32588..32603, 32953..33104, 33151..33226, 33731..33858, 34742..34981, 35408..35553, 36116..36292, 36599..36733, 37068..37324, 37972..38203, 38263..38341, 40010..40215, 40916..41444		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o4.np	Method	AAT/NAP
Start	29996	End	33391
GI	4544445	Score	1394
Exons	29996..30106, 30407..30480, 30671..30782, 31330..31425, 31511..31612, 31710..31784, 31989..32129, 32223..32532, 32646..32726, 32976..33104, 33227..33391		
GI Descrip.	(AC006592) putative pyrophosphate--fructose-6-phosphate 1-phosphotransferase [Arabidopsis thaliana]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o5.np	Method	AAT/NAP
Start	31881	End	33843
GI	119791	Score	62
Exons	31881..31902, 33729..33843		
GI Descrip.	3-OXOACYL-[ACYL-CARRIER PROTEIN] REDUCTASE PRECURSOR (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE) gi|1084385|pir||S22450 3-oxoacyl-[acyl-carrier-protein] reductase (EC 1.1.1.100) precursor - Cuphea lanceolata gi|18046|emb|CAA45866| (X64566) 3-oxoacyl-[acyl-carrier protein] reductase [Cuphea lanceolata] gi|228929|prf||1814446A beta ketoacyl-ACP reductase [Cuphea lanc		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o3.gp	Method	AAT/GAP
Start	32422	End	33086
GI	LIB3474-003-P1-K1-D7	Score	731
Exons	32422..32726, 32976..33086		
GI Descrip.	'4544445/gb|AAD22353.1|AC006592_10 1.0e-24 (AC006592) putative pyrophosphate--fructose 6-phosphate 1-phosphotransferase [Arabidopsis thaliana]'		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o6.np	Method	AAT/NAP
Start	34907	End	35005
GI	5777617	Score	78
Exons	34907..35005		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59723	Strand	+
Start	29614	End	41444
Name	OJ000250_37.0210.C5.o4.gp	Method	AAT/GAP
Start	37994	End	38373
GI	none	Score	687
Exons	37994..38373		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59724	Strand	+

Start	42092	End	43865
Name	OJ000250_37.0210.C5.o6.gs	Method	GENSCAN
Start	42092	End	43865
GI	none	Score	.41
Exons	42092..43084, 43695..43865		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o2.gs	Method	GENSCAN
Start	5154	End	14561
GI	none	Score	.83
Exons	5154..5272, 5879..5933, 6796..6897, 7356..7499, 9232..9279, 10033..10134, 10656..10883, 11913..12115, 13279..13350, 14262..14310, 14550..14561		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o1.np	Method	AAT/NAP
Start	5844	End	15594
GI	4432844	Score	349
Exons	5844..5933, 6796..6897, 7153..7254, 7362..7499, 10033..10124, 10646..10762, 11861..11993, 12060..12336, 14532..14614, 15116..15211, 15316..15389, 15559..15594		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o1.gp	Method	AAT/GAP
Start	7160	End	10786
GI	12888_1.R1084	Score	889
Exons	7160..7248, 7356..7499, 9232..9279, 10033..10134, 10656..10786		
GI Descrip.	'4432844/gb|AAD20693| 7.0e-27 (AC006283) unknown protein [Arabidopsis thaliana]'		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o3.gs	Method	GENSCAN
Start	15106	End	22984
GI	none	Score	.6
Exons	15106..15211, 15313..15413, 16197..16231, 16844..16969, 17662..17775, 18026..18047, 18992..19057, 19144..19197, 19363..19437, 19940..20287, 20404..20730, 21667..21795, 22430..22506, 22855..22984		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o2.gp	Method	AAT/GAP
Start	19006	End	20700
GI	none	Score	860
Exons	19006..19057, 19144..19197, 19363..19437, 20404..20700		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5

Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o2.np	Method	AAT/NAP
Start	22400	End	26105
GI	6063557	Score	377
Exons	22400..22562, 22811..22992, 26072..26105		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o4.gs	Method	GENSCAN
Start	24954	End	28872
GI	none	Score	.63
Exons	24954..25438, 25835..26056, 26409..26575, 27434..27546, 28157..28278, 28361..28578, 28611..28755, 28761..28872		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59725	Strand	-
Start	5154	End	28872
Name	OJ000250_37.0210.C5.o3.np	Method	AAT/NAP
Start	25903	End	27707
GI	6721512	Score	142
Exons	25903..25923, 27353..27391, 27433..27566, 27594..27707		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59726	Strand	-
Start	40870	End	43147
Name	OJ000250_37.0210.C5.o7.np	Method	AAT/NAP
Start	40870	End	43147
GI	6967106	Score	1121
Exons	40870..41417, 42134..42788, 42899..43147		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o4.tm	Method	TBLASTX:Maize
Start	5838	End	10136
GI	none	Score	113
Exons	5838..5936, 5848..5934, 5849..5950, 6794..6898, 6796..6903, 7150..7248, 7154..7249, 7158..7328, 7356..7508, 7356..7514, 7357..7509, 7358..7510, 9229..9285, 9230..9280, 10033..10131, 10037..10132, 10038..10136, 10040..10135		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o7.tm	Method	TBLASTX:Maize
Start	10630	End	10833
GI	none	Score	210
Exons	10630..10833, 10656..10832		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294

Name	OJ000250_37.0210.C5.o5.tm	Method	TBLASTX:Maize
Start	11964	End	15211
GI	none	Score	188
Exons	11964..12116, 11967..12116, 12022..12117, 12178..12243, 12189..12245, 12197..12259, 12198..12257, 12220..12363, 12248..12379, 12252..12365, 12255..12392, 13280..13348, 13281..13349, 13282..13350, 13288..13350, 14546..14614, 14548..14613, 14551..14616, 14552..14614, 15112..15210, 15113..15211		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o6.tm	Method	TBLASTX:Maize
Start	30671	End	31784
GI	none	Score	127
Exons	30671..30781, 30671..30781, 30672..30788, 31326..31427, 31327..31428, 31510..31620, 31517..31612, 31517..31627, 31525..31617, 31709..31783, 31712..31774, 31722..31784		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o2.ts	Method	TBLASTX:Soybean
Start	31351	End	33388
GI	none	Score	65
Exons	31351..31407, 31526..31612, 31546..31608, 31722..31787, 31986..32129, 32009..32128, 32196..32339, 32222..32338, 33003..33107, 33227..33388		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o3.tm	Method	TBLASTX:Maize
Start	32000	End	32378
GI	none	Score	209
Exons	32000..32128, 32001..32129, 32010..32135, 32196..32378, 32214..32342, 32222..32377		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o3.tc	Method	TBLASTX:Cress
Start	32007	End	32339
GI	none	Score	125
Exons	32007..32129, 32009..32164, 32222..32338, 32223..32339		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o3.tw	Method	TBLASTX:Wheat
Start	32222	End	32729
GI	none	Score	156
Exons	32222..32341, 32222..32338, 32427..32498, 32430..32534, 32431..32532, 32652..32729, 32654..32725, 32655..32726		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5

Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o2.tm	Method	TBLASTX:Maize
Start	32434	End	33450
GI	none	Score	170
Exons	32434..32550, 32436..32546, 32443..32556, 32652..32735, 32659..32724, 32660..32725, 32973..33107, 32973..33104, 32974..33105, 32999..33106, 33226..33396, 33227..33403, 33393..33449, 33421..33450		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o2.tw	Method	TBLASTX:Wheat
Start	33017	End	33403
GI	none	Score	149
Exons	33017..33106, 33018..33107, 33205..33393, 33226..33393, 33227..33403, 33227..33394		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o2.tc	Method	TBLASTX:Cress
Start	33044	End	33393
GI	none	Score	87
Exons	33044..33106, 33048..33107, 33226..33387, 33227..33388, 33232..33393		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o1.tc	Method	TBLASTX:Cress
Start	40920	End	42187
GI	none	Score	359
Exons	40920..41417, 40981..41418, 42137..42187		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o1.ts	Method	TBLASTX:Soybean
Start	40920	End	41220
GI	none	Score	172
Exons	40920..41219, 40930..41220		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o1.tm	Method	TBLASTX:Maize
Start	40920	End	42334
GI	none	Score	327
Exons	40920..41420, 40942..41418, 42125..42199, 42138..42200, 42221..42334, 42225..42329		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o1.tw	Method	TBLASTX:Wheat

Start	41032	End	42196
GI	none	Score	355
Exons	41032..41388, 41034..41411, 42107..42196, 42135..42191		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o3.ts	Method	TBLASTX:Soybean
Start	41220	End	41421
GI	none	Score	200
Exons	41220..41417, 41221..41421		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o4.tc	Method	TBLASTX:Cress
Start	42275	End	42631
GI	none	Score	46
Exons	42275..42301, 42302..42433, 42339..42419, 42479..42553, 42479..42610, 42480..42563, 42596..42631		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o4.ts	Method	TBLASTX:Soybean
Start	42479	End	42688
GI	none	Score	76
Exons	42479..42574, 42483..42572, 42602..42688, 42603..42686		

Seq. No.	28911	Seq. ID	OJ000250_37.0210.C5
Gene No.	59727	Strand	-
Start	45109	End	47294
Name	OJ000250_37.0210.C5.o7.gs	Method	GENSCAN
Start	45109	End	47294
GI	none	Score	.52
Exons	45109..45257, 45834..45945, 45982..46109, 46185..46312, 47034..47094, 47114..47294		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59728	Strand	+
Start	1	End	422
Name	OJ000250_37.0210.C7.o1.np	Method	AAT/NAP
Start	1	End	315
GI	5091602	Score	224
Exons	1..315		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59728	Strand	+
Start	1	End	422
Name	OJ000250_37.0210.C7.o1.gs	Method	GENSCAN
Start	60	End	422
GI	none	Score	1
Exons	60..422		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59729	Strand	+

Start	1954	End	2771
Name	OJ000250_37.0210.C7.o2.gs	Method	GENSCAN
Start	1954	End	2771
GI	none	Score	.41
Exons	1954..2042, 2762..2771		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59730	Strand	+
Start	5777	End	7358
Name	OJ000250_37.0210.C7.o2.np	Method	AAT/NAP
Start	5777	End	7358
GI	6498458	Score	284
Exons	5777..6025, 7329..7358		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o1.ts	Method	TBLASTX:Soybean
Start	57	End	247
GI	none	Score	229
Exons	57..242, 68..247		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o1.tc	Method	TBLASTX:Cress
Start	65	End	248
GI	none	Score	223
Exons	65..238, 66..248		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o1.tm	Method	TBLASTX:Maize
Start	68	End	275
GI	none	Score	339
Exons	68..271, 69..275		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o3.gs	Method	GENSCAN
Start	6105	End	6716
GI	none	Score	.5
Exons	6105..6716		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o3.np	Method	AAT/NAP
Start	6128	End	11966
GI	6721516	Score	588
Exons	6128..6304, 10999..11314, 11725..11966		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7

Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o2.ts	Method	TBLASTX:Soybean
Start	6159	End	6422
GI	none	Score	80
Exons	6159..6422, 6235..6399		

Seq. No.	28912	Seq. ID	OJ000250_37.0210.C7
Gene No.	59731	Strand	-
Start	6105	End	11966
Name	OJ000250_37.0210.C7.o2.tm	Method	TBLASTX:Maize
Start	6438	End	6615
GI	none	Score	203
Exons	6438..6614, 6439..6615		

Seq. No.	28913	Seq. ID	OJ000250_37.0210.C8
Gene No.	59732	Strand	-
Start	869	End	1943
Name	OJ000250_37.0210.C8.o1.gs	Method	GENSCAN
Start	869	End	1943
GI	none	Score	.58
Exons	869..911, 1606..1708, 1901..1943		

Seq. No.	28913	Seq. ID	OJ000250_37.0210.C8
Gene No.	59732	Strand	-
Start	869	End	1943
Name	OJ000250_37.0210.C8.o1.np	Method	AAT/NAP
Start	1568	End	1689
GI	6815099	Score	76
Exons	1568..1689		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59733	Strand	+
Start	23564	End	24104
Name	OJ000250_37.0210.C9.o3.gp	Method	AAT/GAP
Start	23564	End	24104
GI	21466_1.R1084	Score	971
Exons	23564..24104		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59734	Strand	-
Start	1790	End	3381
Name	OJ000250_37.0210.C9.o1.gs	Method	GENSCAN
Start	1790	End	3381
GI	none	Score	.74
Exons	1790..1809, 1844..1975, 2407..3026, 3176..3381		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59735	Strand	-
Start	6104	End	6882
Name	OJ000250_37.0210.C9.o1.np	Method	AAT/NAP
Start	6104	End	6882
GI	6539266	Score	215
Exons	6104..6342, 6816..6882		

GI Descrip. (AC011765) hypothetical protein [Arabidopsis thaliana]

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59735	Strand	-
Start	6104	End	6882
Name	OJ000250_37.0210.C9.o1.gp	Method	AAT/GAP
Start	6330	End	6615
GI	2442482	Score	540
Exons	6330..6615		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59736	Strand	-
Start	10311	End	13808
Name	OJ000250_37.0210.C9.o2.np	Method	AAT/NAP
Start	10311	End	13808
GI	5922620	Score	772
Exons	10311..10441, 11829..11913, 11950..12126, 12310..12404, 12581..12682, 13552..13576, 13615..13728, 13770..13808		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59737	Strand	-
Start	14083	End	15856
Name	OJ000250_37.0210.C9.o1.tm	Method	TBLASTX:Maize
Start	6075	End	6302
GI	none	Score	88
Exons	6075..6302, 6155..6301		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59737	Strand	-
Start	14083	End	15856
Name	OJ000250_37.0210.C9.o1.ts	Method	TBLASTX:Soybean
Start	6155	End	6308
GI	none	Score	68
Exons	6155..6307, 6240..6308		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59737	Strand	-
Start	14083	End	15856
Name	OJ000250_37.0210.C9.o4.gs	Method	GENSCAN
Start	14083	End	14376
GI	none	Score	.96
Exons	14083..14376		

Seq. No.	28914	Seq. ID	OJ000250_37.0210.C9
Gene No.	59737	Strand	-
Start	14083	End	15856
Name	OJ000250_37.0210.C9.o3.np	Method	AAT/NAP
Start	14086	End	15856
GI	5922620	Score	166
Exons	14086..14219, 15835..15856		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	28915	Seq. ID	OJ000250_37.0210.C10
Gene No.	59738	Strand	+
Start	1	End	705
Name	OJ000250_37.0210.C10.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6006374	Score	1128
Exons	1..705		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	28916	Seq. ID	OJ000250_37.0210.C11
Gene No.	59739	Strand	-
Start	1	End	123
Name	OJ000250_37.0210.C11.o1.np	Method	AAT/NAP
Start	1	End	123
GI	166211	Score	160
Exons	1..123		
GI Descrip.	(J02448) protein IV [Bacteriophage f1]		

Seq. No.	28917	Seq. ID	OJ000250_37.0210.C12
Gene No.	59740	Strand	+
Start	1	End	339
Name	OJ000250_37.0210.C12.o1.np	Method	AAT/NAP
Start	1	End	339
GI	6006375	Score	555
Exons	1..339		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	28917	Seq. ID	OJ000250_37.0210.C12
Gene No.	59741	Strand	-
Start	740	End	1075
Name	OJ000250_37.0210.C12.o1.gp	Method	AAT/GAP
Start	740	End	1075
GI	21466_1.R1084	Score	612
Exons	740..1075		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59742	Strand	+
Start	113	End	1639
Name	OJ000250_37.0210.C13.o1.gs	Method	GENSCAN
Start	113	End	1639
GI	none	Score	.56
Exons	113..160, 672..740, 1499..1639		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59743	Strand	+
Start	7314	End	9659
Name	OJ000250_37.0210.C13.o3.gs	Method	GENSCAN
Start	7314	End	9659
GI	none	Score	.71

Exons	7314..7330, 7433..7511, 8472..8527, 9156..9336, 9456..9659		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59744	Strand	+
Start	13881	End	16214
Name	OJ000250_37.0210.C13.o2.np	Method	AAT/NAP
Start	13881	End	15771
GI	5732634	Score	122
Exons	13881..14009, 14116..14225, 15531..15771		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59744	Strand	+
Start	13881	End	16214
Name	OJ000250_37.0210.C13.o3.np	Method	AAT/NAP
Start	14682	End	16043
GI	6815109	Score	169
Exons	14682..14706, 15823..16043		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59744	Strand	+
Start	13881	End	16214
Name	OJ000250_37.0210.C13.o4.np	Method	AAT/NAP
Start	15870	End	16214
GI	6815109	Score	183
Exons	15870..16214		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59745	Strand	-
Start	3252	End	6332
Name	OJ000250_37.0210.C13.o2.gs	Method	GENSCAN
Start	3252	End	6332
GI	none	Score	.69
Exons	3252..3700, 4103..4451, 4762..4980, 5321..5477, 5548..5654, 6017..6143, 6208..6332		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o2.tm	Method	TBLASTX:Maize
Start	498	End	788
GI	none	Score	138
Exons	498..695, 536..610, 651..686, 678..788, 690..788		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o4.gs	Method	GENSCAN
Start	11505	End	14686
GI	none	Score	.75
Exons	11505..11524, 13008..13663, 13824..13953, 14050..14302, 14486..14582, 14679..14686		
Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13

Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o1.np	Method	AAT/NAP
Start	11872	End	14181
GI	82307	Score	641
Exons	11872..11970, 13241..13663, 13824..13953, 14050..14181		
GI Descrip.	myb protein 306 - garden snapdragon gi|256828|bbs|115017 Myb oncoprotein homolog {clone 306} [Antirrhinum majus=snapdragons, J1:522, flowers, Peptide, 316 aa]		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o1.tc	Method	TBLASTX:Cress
Start	13294	End	14184
GI	none	Score	37
Exons	13294..13326, 13408..13494, 13451..13492, 13567..13665, 13568..13666, 13821..13955, 13838..13954, 14046..14096, 14048..14113, 14113..14184, 14117..14182		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o1.ts	Method	TBLASTX:Soybean
Start	13294	End	14185
GI	none	Score	43
Exons	13294..13326, 13423..13497, 13451..13498, 13570..13665, 13571..13666, 13821..13955, 13841..13954, 14046..14093, 14048..14113, 14113..14181, 14117..14185		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o1.tm	Method	TBLASTX:Maize
Start	13594	End	14188
GI	none	Score	96
Exons	13594..13665, 13595..13663, 13827..13955, 13838..13954, 14046..14102, 14048..14113, 14051..14143, 14113..14187, 14114..14188		

Seq. No.	28918	Seq. ID	OJ000250_37.0210.C13
Gene No.	59746	Strand	-
Start	11505	End	14686
Name	OJ000250_37.0210.C13.o1.tw	Method	TBLASTX:Wheat
Start	13821	End	14184
GI	none	Score	129
Exons	13821..13958, 13844..13957, 13898..13978, 14048..14113, 14051..14110, 14116..14184, 14117..14182		

Seq. No.	28919	Seq. ID	OJ000250_37.0210.C14
Gene No.	59747	Strand	+
Start	474	End	1117
Name	OJ000250_37.0210.C14.o1.np	Method	AAT/NAP
Start	474	End	1117
GI	2498930	Score	763
Exons	474..537, 705..1117		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	28919	Seq. ID	OJ000250_37.0210.C14
Gene No.	59747	Strand	+
Start	474	End	1117
Name	OJ000250_37.0210.C14.o1.gs	Method	GENSCAN
Start	478	End	1099
GI	none	Score	1
Exons	478..537, 705..1099		

Seq. No.	28920	Seq. ID	OJ000250_37.0210.C15
Gene No.	59748	Strand	+
Start	1	End	732
Name	OJ000250_37.0210.C15.o1.np	Method	AAT/NAP
Start	1	End	732
GI	6006374	Score	1259
Exons	1..732		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	28920	Seq. ID	OJ000250_37.0210.C15
Gene No.	59748	Strand	+
Start	1	End	732
Name	OJ000250_37.0210.C15.o1.gs	Method	GENSCAN
Start	3	End	604
GI	none	Score	.63
Exons	3..604		

Seq. No.	28921	Seq. ID	OJ000250_37.0210.C16
Gene No.	59749	Strand	+
Start	1	End	334
Name	OJ000250_37.0210.C16.o1.np	Method	AAT/NAP
Start	1	End	334
GI	6006375	Score	591
Exons	1..334		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	28921	Seq. ID	OJ000250_37.0210.C16
Gene No.	59749	Strand	+
Start	1	End	334
Name	OJ000250_37.0210.C16.o1.tw	Method	TBLASTX:Wheat
Start	53	End	334
GI	none	Score	201
Exons	53..334		

Seq. No.	28922	Seq. ID	OJ000250_37.0210.C17
Gene No.	59750	Strand	-
Start	1	End	103
Name	OJ000250_37.0210.C17.o1.np	Method	AAT/NAP
Start	1	End	103
GI	6006374	Score	164
Exons	1..103		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	28923	Seq. ID	OJ000250_31.0217.C2

Gene No.	59751	Strand	+
Start	12	End	1048
Name	OJ000250_31.0217.C2.o1.gs	Method	GENSCAN
Start	12	End	1048
GI	none	Score	.92
Exons	12..57, 485..592, 846..1048		

Seq. No.	28923	Seq. ID	OJ000250_31.0217.C2
Gene No.	59751	Strand	+
Start	12	End	1048
Name	OJ000250_31.0217.C2.o1.np	Method	AAT/NAP
Start	120	End	547
GI	6539570	Score	86
Exons	120..317, 471..547		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	28924	Seq. ID	OJ000250_31.0217.C5
Gene No.	59752	Strand	-
Start	1542	End	1759
Name	OJ000250_31.0217.C5.o1.gs	Method	GENSCAN
Start	1542	End	1759
GI	none	Score	.71
Exons	1542..1565, 1631..1759		

Seq. No.	28925	Seq. ID	OJ000250_31.0217.C6
Gene No.	59753	Strand	+
Start	1	End	864
Name	OJ000250_31.0217.C6.o1.np	Method	AAT/NAP
Start	1	End	864
GI	4680179	Score	1237
Exons	1..864		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28925	Seq. ID	OJ000250_31.0217.C6
Gene No.	59753	Strand	+
Start	1	End	864
Name	OJ000250_31.0217.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	487
GI	none	Score	540
Exons	1..360, 2..487, 5..478, 418..486		

Seq. No.	28925	Seq. ID	OJ000250_31.0217.C6
Gene No.	59753	Strand	+
Start	1	End	864
Name	OJ000250_31.0217.C6.o1.gs	Method	GENSCAN
Start	32	End	700
GI	none	Score	.59
Exons	32..700		

Seq. No.	28925	Seq. ID	OJ000250_31.0217.C6
Gene No.	59753	Strand	+
Start	1	End	864
Name	OJ000250_31.0217.C6.o1.tm	Method	TBLASTX:Maize
Start	40	End	625
GI	none	Score	214
Exons	40..195, 41..202, 199..363, 200..625, 320..604, 418..624		

Seq. No.	28925	Seq. ID	OJ000250_31.0217.C6
Gene No.	59753	Strand	+
Start	1	End	864
Name	OJ000250_31.0217.C6.o2.tw	Method	TBLASTX:Wheat
Start	487	End	819
GI	none	Score	197
Exons	487..669, 488..685, 685..819		

Seq. No.	28926	Seq. ID	OJ000250_31.0217.C8
Gene No.	59754	Strand	-
Start	1519	End	2066
Name	OJ000250_31.0217.C8.o1.gs	Method	GENSCAN
Start	1519	End	2066
GI	none	Score	.47
Exons	1519..1711, 1880..2066		

Seq. No.	28927	Seq. ID	OJ000250_31.0217.C10
Gene No.	59755	Strand	+
Start	504	End	637
Name	OJ000250_31.0217.C10.o1.gs	Method	GENSCAN
Start	504	End	637
GI	none	Score	.69
Exons	504..637		

Seq. No.	28927	Seq. ID	OJ000250_31.0217.C10
Gene No.	59756	Strand	-
Start	1	End	601
Name	OJ000250_31.0217.C10.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4538896	Score	240
Exons	1..64, 172..601		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59757	Strand	+
Start	1	End	2224
Name	OJ000250_31.0217.C14.o2.np	Method	AAT/NAP
Start	1	End	2224
GI	3152568	Score	540
Exons	1..26, 1091..1436, 1468..2224		
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59757	Strand	+
Start	1	End	2224
Name	OJ000250_31.0217.C14.o1.gp	Method	AAT/GAP
Start	1742	End	2224
GI	30028_1.R1084	Score	922
Exons	1742..2224		
GI Descrip.	'3152568 1.0e-73 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59758	Strand	-

Start	1	End	751
Name	OJ000250_31.0217.C14.o1.np	Method	AAT/NAP
Start	1	End	751
GI	5852093	Score	76
Exons	1..46, 642..751		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59759	Strand	
Start	917	End	1225
Name	OJ000250_31.0217.C14.o3.tm	Method	TBLASTX:Maize
Start	917	End	1225
GI	none	Score	212
Exons	917..1147, 917..1018, 939..1127, 940..1149, 998..1132, 1006..1071, 1016..1162, 1101..1220, 1181..1225		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59760	Strand	
Start	1565	End	2222
Name	OJ000250_31.0217.C14.o1.tm	Method	TBLASTX:Maize
Start	1565	End	1932
GI	none	Score	41
Exons	1565..1588, 1601..1648, 1645..1932, 1652..1927		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59760	Strand	
Start	1565	End	2222
Name	OJ000250_31.0217.C14.o1.ts	Method	TBLASTX:Soybean
Start	1756	End	2222
GI	none	Score	397
Exons	1756..2067, 1757..2116, 1985..2074, 2108..2161, 2114..2221, 2121..2222, 2130..2222		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59760	Strand	
Start	1565	End	2222
Name	OJ000250_31.0217.C14.o1.tc	Method	TBLASTX:Cress
Start	1865	End	2161
GI	none	Score	293
Exons	1865..2068, 1865..1936, 1867..2067, 2102..2161		

Seq. No.	28928	Seq. ID	OJ000250_31.0217.C14
Gene No.	59760	Strand	
Start	1565	End	2222
Name	OJ000250_31.0217.C14.o2.tm	Method	TBLASTX:Maize
Start	1933	End	2068
GI	none	Score	92
Exons	1933..2058, 1933..2067, 1934..2068		

Seq. No.	28929	Seq. ID	OJ000250_31.0217.C15
Gene No.	59761	Strand	+
Start	1	End	641
Name	OJ000250_31.0217.C15.o1.np	Method	AAT/NAP
Start	1	End	609
GI	2244855	Score	320
Exons	1..609		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28929	Seq. ID	OJ000250_31.0217.C15
Gene No.	59761	Strand	+
Start	1	End	641
Name	OJ000250_31.0217.C15.o1.gp	Method	AAT/GAP
Start	61	End	167
GI	30028_1.R1084	Score	188
Exons	61..167		
GI Descrip.	'3152568 1.0e-73 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28929	Seq. ID	OJ000250_31.0217.C15
Gene No.	59761	Strand	+
Start	1	End	641
Name	OJ000250_31.0217.C15.o1.tm	Method	TBLASTX:Maize
Start	61	End	641
GI	none	Score	448
Exons	61..426, 63..425, 64..426, 390..641, 427..606		

Seq. No.	28929	Seq. ID	OJ000250_31.0217.C15
Gene No.	59761	Strand	+
Start	1	End	641
Name	OJ000250_31.0217.C15.o1.ts	Method	TBLASTX:Soybean
Start	61	End	282
GI	none	Score	217
Exons	61..282, 63..263		

Seq. No.	28930	Seq. ID	OJ000250_31.0217.C16
Gene No.	59762	Strand	+
Start	78	End	279
Name	OJ000250_31.0217.C16.o1.gs	Method	GENSCAN
Start	78	End	279
GI	none	Score	.79
Exons	78..108, 236..279		

Seq. No.	28931	Seq. ID	OJ000250_31.0217.C18
Gene No.	59763	Strand	-
Start	1	End	1379
Name	OJ000250_31.0217.C18.o1.np	Method	AAT/NAP
Start	1	End	1379
GI	5706505	Score	40
Exons	1..24, 730..835, 1354..1379		
GI Descrip.	(AL109739) trp-asp repeat protein [Schizosaccharomyces pombe]		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59764	Strand	+
Start	95	End	701
Name	OJ000250_31.0217.C19.o1.np	Method	AAT/NAP
Start	95	End	701
GI	2315521	Score	52
Exons	95..219, 673..701		
GI Descrip.	(AF016452) similar to the beta transducin family [Caenorhabditis elegans]		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59764	Strand	+

Start	95	End	701
Name	OJ000250_31.0217.C19.o1.gs	Method	GENSCAN
Start	165	End	326
GI	none	Score	.6
Exons	165..326		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59765	Strand	-
Start	44	End	552
Name	OJ000250_31.0217.C19.o1.gp	Method	AAT/GAP
Start	44	End	552
GI	none	Score	981
Exons	44..552		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59765	Strand	-
Start	44	End	552
Name	OJ000250_31.0217.C19.o1.tc	Method	TBLASTX:Cress
Start	64	End	327
GI	none	Score	63
Exons	64..111, 113..208, 114..272, 129..239, 281..313, 282..314, 286..327		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59765	Strand	-
Start	44	End	552
Name	OJ000250_31.0217.C19.o1.tm	Method	TBLASTX:Maize
Start	64	End	549
GI	none	Score	74
Exons	64..108, 69..125, 69..107, 110..259, 111..254, 210..326, 229..324, 266..343, 335..385, 345..386, 412..453, 417..458, 426..467, 427..549, 454..528, 455..544		

Seq. No.	28932	Seq. ID	OJ000250_31.0217.C19
Gene No.	59765	Strand	-
Start	44	End	552
Name	OJ000250_31.0217.C19.o1.ts	Method	TBLASTX:Soybean
Start	67	End	242
GI	none	Score	74
Exons	67..111, 69..107, 113..229, 114..242		

Seq. No.	28933	Seq. ID	OJ000250_31.0217.C20
Gene No.	59766	Strand	+
Start	132	End	1556
Name	OJ000250_31.0217.C20.o1.gs	Method	GENSCAN
Start	132	End	1556
GI	none	Score	.48
Exons	132..867, 1015..1556		

Seq. No.	28934	Seq. ID	OJ000250_31.0217.C22
Gene No.	59767	Strand	-
Start	103	End	548
Name	OJ000250_31.0217.C22.o1.gs	Method	GENSCAN
Start	103	End	548
GI	none	Score	.51
Exons	103..214, 370..548		

Seq. No.	28935	Seq. ID	OJ000250_31.0217.C23
Gene No.	59768	Strand	-
Start	1	End	740
Name	OJ000250_31.0217.C23.o1.np	Method	AAT/NAP
Start	1	End	740
GI	5706505	Score	62
Exons	1..79, 620..740		
GI Descrip.	(AL109739) trp-asp repeat protein [Schizosaccharomyces pombe]		

Seq. No.	28935	Seq. ID	OJ000250_31.0217.C23
Gene No.	59768	Strand	-
Start	1	End	740
Name	OJ000250_31.0217.C23.o1.gp	Method	AAT/GAP
Start	590	End	740
GI	LIB3433-058-P1-K1-H7	Score	224
Exons	590..740		
GI Descrip.	'5706505/emb|CAB52267.1| 8.0e-14 (AL109739) trp-asp repeat protein [Schizosaccharomyces pombe]'		

Seq. No.	28935	Seq. ID	OJ000250_31.0217.C23
Gene No.	59768	Strand	-
Start	1	End	740
Name	OJ000250_31.0217.C23.o1.tm	Method	TBLASTX:Maize
Start	614	End	740
GI	none	Score	172
Exons	614..739, 618..740		

Seq. No.	28936	Seq. ID	OJ000250_31.0217.C27
Gene No.	59769	Strand	-
Start	1	End	1490
Name	OJ000250_31.0217.C27.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	4585985	Score	1008
Exons	1..398, 438..975, 1055..1470		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28936	Seq. ID	OJ000250_31.0217.C27
Gene No.	59769	Strand	-
Start	1	End	1490
Name	OJ000250_31.0217.C27.o1.gs	Method	GENSCAN
Start	49	End	1447
GI	none	Score	.86
Exons	49..975, 1055..1447		

Seq. No.	28936	Seq. ID	OJ000250_31.0217.C27
Gene No.	59769	Strand	-
Start	1	End	1490
Name	OJ000250_31.0217.C27.o1.tm	Method	TBLASTX:Maize
Start	902	End	1451
GI	none	Score	47
Exons	902..997, 903..968, 917..994, 1056..1178, 1057..1173, 1065..1178, 1179..1451, 1186..1362		

Seq. No.	28936	Seq. ID	OJ000250_31.0217.C27
Gene No.	59769	Strand	-
Start	1	End	1490
Name	OJ000250_31.0217.C27.o1.tw	Method	TBLASTX:Wheat

Start	1089	End	1490
GI	none	Score	145
Exons	1089..1166, 1165..1440, 1191..1490		

Seq. No.	28937	Seq. ID	OJ000250_31.0217.C29
Gene No.	59770	Strand	-
Start	726	End	966
Name	OJ000250_31.0217.C29.o1.gs	Method	GENSCAN
Start	726	End	966
GI	none	Score	.88
Exons	726..966		

Seq. No.	28938	Seq. ID	OJ000250_31.0217.C30
Gene No.	59771	Strand	-
Start	160	End	284
Name	OJ000250_31.0217.C30.o1.gs	Method	GENSCAN
Start	160	End	284
GI	none	Score	.47
Exons	160..284		

Seq. No.	28939	Seq. ID	OJ000250_31.0217.C31
Gene No.	59772	Strand	-
Start	168	End	632
Name	OJ000250_31.0217.C31.o1.gs	Method	GENSCAN
Start	168	End	632
GI	none	Score	.69
Exons	168..219, 322..399, 477..632		

Seq. No.	28940	Seq. ID	OJ000250_31.0217.C32
Gene No.	59773	Strand	-
Start	59	End	775
Name	OJ000250_31.0217.C32.o1.gs	Method	GENSCAN
Start	59	End	775
GI	none	Score	.78
Exons	59..406, 689..775		

Seq. No.	28941	Seq. ID	OJ000250_31.0217.C33
Gene No.	59774	Strand	-
Start	82	End	499
Name	OJ000250_31.0217.C33.o1.gs	Method	GENSCAN
Start	82	End	499
GI	none	Score	.8
Exons	82..287, 356..499		

Seq. No.	28942	Seq. ID	OJ000250_31.0217.C34
Gene No.	59775	Strand	-
Start	1	End	1641
Name	OJ000250_31.0217.C34.o1.np	Method	AAT/NAP
Start	1	End	1641
GI	5042454	Score	709
Exons	1..896, 964..1041, 1465..1641		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	28942	Seq. ID	OJ000250_31.0217.C34
Gene No.	59775	Strand	-
Start	1	End	1641
Name	OJ000250_31.0217.C34.o1.gs	Method	GENSCAN

Start	19	End	1418
GI	none	Score	.47
Exons	19..242, 489..627, 660..912, 1332..1418		

Seq. No.	28943	Seq. ID	OJ000250_31.0217.C35
Gene No.	59776	Strand	+
Start	1470	End	4001
Name	OJ000250_31.0217.C35.o1.np	Method	AAT/NAP
Start	1470	End	4001
GI	6721512	Score	109
Exons	1470..1498, 3273..3389, 3449..3583, 3626..3657, 3952..4001		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	28943	Seq. ID	OJ000250_31.0217.C35
Gene No.	59776	Strand	+
Start	1470	End	4001
Name	OJ000250_31.0217.C35.o1.gs	Method	GENSCAN
Start	2966	End	3813
GI	none	Score	.76
Exons	2966..3097, 3626..3660, 3748..3813		

Seq. No.	28944	Seq. ID	OJ000250_31.0217.C36
Gene No.	59777	Strand	-
Start	402	End	485
Name	OJ000250_31.0217.C36.o2.gs	Method	GENSCAN
Start	402	End	485
GI	none	Score	.47
Exons	402..485		

Seq. No.	28945	Seq. ID	OJ000250_31.0217.C37
Gene No.	59778	Strand	+
Start	623	End	3165
Name	OJ000250_31.0217.C37.o1.gs	Method	GENSCAN
Start	623	End	3084
GI	none	Score	.42
Exons	623..738, 759..803, 1123..1664, 1772..2253, 3031..3084		

Seq. No.	28945	Seq. ID	OJ000250_31.0217.C37
Gene No.	59778	Strand	+
Start	623	End	3165
Name	OJ000250_31.0217.C37.o1.np	Method	AAT/NAP
Start	1113	End	3165
GI	2565010	Score	551
Exons	1113..2248, 3055..3165		
GI Descrip.	(AC002983) putative microfibril-associated protein [Arabidopsis thaliana] gi|3377811 (AF076275) contains similarity to ATP synthase B/B' (Pfam: ATP-synt_B.hmm, score: 11.71) [Arabidopsis thaliana]		

Seq. No.	28945	Seq. ID	OJ000250_31.0217.C37
Gene No.	59778	Strand	+
Start	623	End	3165
Name	OJ000250_31.0217.C37.o1.tm	Method	TBLASTX:Maize
Start	2014	End	2217
GI	none	Score	219
Exons	2014..2217, 2015..2215, 2016..2216		

Seq. No.	28945	Seq. ID	OJ000250_31.0217.C37
Gene No.	59778	Strand	+
Start	623	End	3165
Name	OJ000250_31.0217.C37.o1.ts	Method	TBLASTX:Soybean
Start	2035	End	2235
GI	none	Score	225
Exons	2035..2235, 2037..2234		

Seq. No.	28946	Seq. ID	OJ000250_31.0217.C39
Gene No.	59779	Strand	+
Start	421	End	2949
Name	OJ000250_31.0217.C39.o1.tw	Method	TBLASTX:Wheat
Start	419	End	871
GI	none	Score	45
Exons	419..562, 551..871		

Seq. No.	28946	Seq. ID	OJ000250_31.0217.C39
Gene No.	59779	Strand	+
Start	421	End	2949
Name	OJ000250_31.0217.C39.o1.np	Method	AAT/NAP
Start	421	End	2703
GI	130592	Score	590
Exons	421..1381, 2657..2703		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|75491|pir||QQCV5 hypothetical protein 5 - cauliflower mosaic virus (strains Strasbourg, CM1841 and D/H) gi|58826|emb|CAA23460| (V00141) reading frame (V) [Cauliflower mosaic virus]		

Seq. No.	28946	Seq. ID	OJ000250_31.0217.C39
Gene No.	59779	Strand	+
Start	421	End	2949
Name	OJ000250_31.0217.C39.o1.tc	Method	TBLASTX:Cress
Start	554	End	892
GI	none	Score	199
Exons	554..892		

Seq. No.	28946	Seq. ID	OJ000250_31.0217.C39
Gene No.	59779	Strand	+
Start	421	End	2949
Name	OJ000250_31.0217.C39.o1.gs	Method	GENSCAN
Start	983	End	2949
GI	none	Score	.69
Exons	983..1253, 1290..1381, 1834..2014, 2345..2949		

Seq. No.	28947	Seq. ID	OJ000250_31.0217.C40
Gene No.	59780	Strand	-
Start	676	End	827
Name	OJ000250_31.0217.C40.o1.gs	Method	GENSCAN
Start	676	End	827
GI	none	Score	.98
Exons	676..827		

Seq. No.	28948	Seq. ID	OJ000250_31.0217.C41
Gene No.	59781	Strand	-
Start	67	End	642
Name	OJ000250_31.0217.C41.o1.gs	Method	GENSCAN

Start	67	End	642
GI	none	Score	.61
Exons	67..642		

Seq. No.	28949	Seq. ID	OJ000250_31.0217.C42
Gene No.	59782	Strand	+
Start	1356	End	2634
Name	OJ000250_31.0217.C42.o1.gs	Method	GENSCAN
Start	1356	End	2634
GI	none	Score	.51
Exons	1356..1538, 2350..2634		

Seq. No.	28950	Seq. ID	OJ000250_31.0217.C43
Gene No.	59783	Strand	-
Start	237	End	448
Name	OJ000250_31.0217.C43.o1.gs	Method	GENSCAN
Start	237	End	448
GI	none	Score	.44
Exons	237..275, 368..448		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59784	Strand	+
Start	384	End	2598
Name	OJ000250_31.0217.C44.o1.gs	Method	GENSCAN
Start	384	End	2598
GI	none	Score	.84
Exons	384..523, 1564..1873, 1909..2598		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o1.ts	Method	TBLASTX:Soybean
Start	450	End	2073
GI	none	Score	91
Exons	450..524, 1565..1618, 1663..1911, 1664..1912, 1912..2073, 1914..2066		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o1.tc	Method	TBLASTX:Cress
Start	1562	End	1810
GI	none	Score	69
Exons	1562..1618, 1663..1809, 1664..1810		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o2.tm	Method	TBLASTX:Maize
Start	1714	End	1914
GI	none	Score	202
Exons	1714..1914, 1715..1912		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o1.tm	Method	TBLASTX:Maize

Start	2436	End	2574
GI	none	Score	221
Exons	2436..2471, 2437..2571, 2452..2574		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o2.gs	Method	GENSCAN
Start	3229	End	5807
GI	none	Score	.74
Exons	3229..3267, 3360..3440, 4992..5049, 5800..5807		

Seq. No.	28951	Seq. ID	OJ000250_31.0217.C44
Gene No.	59785	Strand	-
Start	3229	End	6027
Name	OJ000250_31.0217.C44.o2.np	Method	AAT/NAP
Start	4711	End	6027
GI	3128212	Score	84
Exons	4711..4944, 4988..5049, 5966..6027		
GI Descrip.	(AC004077) putative HMG protein [Arabidopsis thaliana]		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59786	Strand	+
Start	51	End	4495
Name	OJ000250_31.0217.C45.o1.gs	Method	GENSCAN
Start	51	End	4495
GI	none	Score	.57
Exons	51..92, 1214..1494, 2952..3032, 4480..4495		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59787	Strand	+
Start	6338	End	7773
Name	OJ000250_31.0217.C45.o1.gp	Method	AAT/GAP
Start	6338	End	6683
GI	49022_1.R1084	Score	642
Exons	6338..6683		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 1.0e-10 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59787	Strand	+
Start	6338	End	7773
Name	OJ000250_31.0217.C45.o2.np	Method	AAT/NAP
Start	6472	End	7773
GI	5103807	Score	760
Exons	6472..6687, 6797..6884, 6977..7086, 7216..7309, 7536..7773		
GI Descrip.	(AC007591) Contains similarity to gb|AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb|T88254 and gb|AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59787	Strand	+
Start	6338	End	7773
Name	OJ000250_31.0217.C45.o2.gp	Method	AAT/GAP

Start	6765	End	7773
GI	64591_1.R1084	Score	904
Exons	6765..6884, 6977..7086, 7216..7309, 7536..7773		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 9.0e-72 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59788	Strand	-
Start	227	End	328
Name	OJ000250_31.0217.C45.o1.np	Method	AAT/NAP
Start	227	End	328
GI	3157938	Score	79
Exons	227..328		
GI Descrip.	(AC002131) Similar to seryl-tRNA synthetase gb|U10400 from S cerevisiae. EST gb|N96627 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o2.gs	Method	GENSCAN
Start	6388	End	7693
GI	none	Score	.61
Exons	6388..6674, 6757..6840, 6872..7067, 7185..7244, 7433..7693		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o1.tc	Method	TBLASTX:Cress
Start	6498	End	7022
GI	none	Score	201
Exons	6498..6686, 6499..6690, 6797..6886, 6958..7020, 6972..7022		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o1.ts	Method	TBLASTX:Soybean
Start	6498	End	7070
GI	none	Score	217
Exons	6498..6686, 6499..6690, 6511..6690, 6797..6886, 6958..7068, 6963..7070		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o1.tm	Method	TBLASTX:Maize
Start	6498	End	7614
GI	none	Score	212
Exons	6498..6689, 6499..6690, 6797..6886, 6957..7088, 6958..7107, 7215..7325, 7216..7332, 7556..7609, 7558..7614		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o2.ts	Method	TBLASTX:Soybean

Start	7239	End	7726
GI	none	Score	94
Exons	7239..7298, 7240..7299, 7519..7725, 7526..7609, 7664..7726		

Seq. No.	28952	Seq. ID	OJ000250_31.0217.C45
Gene No.	59789	Strand	-
Start	6388	End	7733
Name	OJ000250_31.0217.C45.o1.tw	Method	TBLASTX:Wheat
Start	7567	End	7733
GI	none	Score	172
Exons	7567..7725, 7568..7726, 7671..7733		

Seq. No.	28953	Seq. ID	OJ000250_31.0217.C46
Gene No.	59790	Strand	+
Start	1	End	1284
Name	OJ000250_31.0217.C46.o1.np	Method	AAT/NAP
Start	1	End	1284
GI	5103807	Score	155
Exons	1..163, 288..350, 1174..1284		
GI Descrip.	(AC007591) Contains similarity to gb|AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb|T88254 and gb|AA394650 come from this gene. [Arabidopsis thaliana]		

Seq. No.	28953	Seq. ID	OJ000250_31.0217.C46
Gene No.	59790	Strand	+
Start	1	End	1284
Name	OJ000250_31.0217.C46.o1.gp	Method	AAT/GAP
Start	60	End	358
GI	64591_1.R1084	Score	257
Exons	60..163, 289..358		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 9.0e-72 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	28953	Seq. ID	OJ000250_31.0217.C46
Gene No.	59790	Strand	+
Start	1	End	1284
Name	OJ000250_31.0217.C46.o1.gs	Method	GENSCAN
Start	95	End	950
GI	none	Score	.5
Exons	95..163, 289..348, 864..950		

Seq. No.	28954	Seq. ID	OJ000250_31.0217.C47
Gene No.	59791	Strand	+
Start	428	End	825
Name	OJ000250_31.0217.C47.o1.gp	Method	AAT/GAP
Start	428	End	825
GI	64591_1.R1084	Score	722
Exons	428..825		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 9.0e-72 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	28955	Seq. ID	OJ000250_31.0217.C48

Gene No.	59792	Strand	+
Start	179	End	1924
Name	OJ000250_31.0217.C48.o1.gs	Method	GENSCAN
Start	179	End	1924
GI	none	Score	.42
Exons	179..271, 1598..1677, 1789..1924		

Seq. No.	28956	Seq. ID	OJ000250_31.0217.C50
Gene No.	59793	Strand	+
Start	1363	End	5051
Name	OJ000250_31.0217.C50.o1.gs	Method	GENSCAN
Start	1363	End	4955
GI	none	Score	.57
Exons	1363..1460, 2165..2513, 3110..3591, 4434..4538, 4568..4726, 4877..4955		

Seq. No.	28956	Seq. ID	OJ000250_31.0217.C50
Gene No.	59793	Strand	+
Start	1363	End	5051
Name	OJ000250_31.0217.C50.o1.np	Method	AAT/NAP
Start	2945	End	5051
GI	4038481	Score	310
Exons	2945..3013, 3392..3504, 4565..4746, 4873..5051		
GI Descrip.	(AL021713) DNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	28956	Seq. ID	OJ000250_31.0217.C50
Gene No.	59793	Strand	+
Start	1363	End	5051
Name	OJ000250_31.0217.C50.o1.ts	Method	TBLASTX:Soybean
Start	4613	End	5005
GI	none	Score	195
Exons	4613..4720, 4617..4730, 4625..4738, 4868..4945, 4869..4949, 4955..5005, 4957..5004		

Seq. No.	28957	Seq. ID	OJ000250_31.0217.C51
Gene No.	59794	Strand	+
Start	82	End	282
Name	OJ000250_31.0217.C51.o1.gs	Method	GENSCAN
Start	82	End	282
GI	none	Score	.96
Exons	82..282		

Seq. No.	28957	Seq. ID	OJ000250_31.0217.C51
Gene No.	59795	Strand	-
Start	1915	End	2006
Name	OJ000250_31.0217.C51.o1.gp	Method	AAT/GAP
Start	1915	End	2006
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1915..2006		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59796	Strand	+
Start	8782	End	14098
Name	OJ000250_31.0217.C52.o2.gs	Method	GENSCAN

Start	8782	End	14098
GI	none	Score	.91
Exons	8782..8932, 9701..9826, 10287..10478, 10785..10879, 11444..11549, 12854..13297, 13391..13728, 13919..14098		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59796	Strand	+
Start	8782	End	14098
Name	OJ000250_31.0217.C52.o1.gp	Method	AAT/GAP
Start	9200	End	10518
GI	4879122	Score	809
Exons	9200..9475, 10287..10518		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59796	Strand	+
Start	8782	End	14098
Name	OJ000250_31.0217.C52.o2.gp	Method	AAT/GAP
Start	12862	End	13295
GI	none	Score	864
Exons	12862..13295		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59797	Strand	-
Start	331	End	7328
Name	OJ000250_31.0217.C52.o1.gs	Method	GENSCAN
Start	331	End	7328
GI	none	Score	.55
Exons	331..471, 730..788, 1004..1228, 1421..1513, 1656..1715, 2762..2957, 3715..3909, 4464..4649, 6708..7328		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o1.tm	Method	TBLASTX:Maize
Start	2537	End	7282
GI	none	Score	112
Exons	2537..2656, 2551..2658, 2557..2661, 2559..2666, 2745..2957, 2746..2958, 2756..2959, 2857..2958, 4464..4652, 4465..4650, 6708..6872, 6708..7160, 6712..6894, 6954..7001, 6994..7041, 7135..7161, 7183..7281, 7247..7282		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o3.tc	Method	TBLASTX:Cress
Start	2575	End	6893
GI	none	Score	83
Exons	2575..2661, 2597..2659, 2743..2958, 2745..2957, 4464..4652, 4468..4650, 6702..6893, 6703..6882		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o1.tw	Method	TBLASTX:Wheat
Start	6936	End	7319
GI	none	Score	70
Exons	6936..7160, 6954..7001, 6994..7035, 7135..7161, 7219..7275,		

7242..7319

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o6.tc	Method	TBLASTX:Cress
Start	6975	End	7160
GI	none	Score	186
Exons	6975..7007, 7017..7160		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o4.tw	Method	TBLASTX:Wheat
Start	9801	End	13701
GI	none	Score	213
Exons	9801..9923, 13269..13307, 13417..13623, 13432..13701		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o4.tm	Method	TBLASTX:Maize
Start	11484	End	13072
GI	none	Score	195
Exons	11484..11549, 12842..12874, 12856..13071, 12893..13072, 12893..13072		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o3.tm	Method	TBLASTX:Maize
Start	13357	End	14077
GI	none	Score	420
Exons	13357..13728, 13390..13731, 13916..14077, 13916..14071, 13918..14076		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o5.tc	Method	TBLASTX:Cress
Start	13467	End	14080
GI	none	Score	300
Exons	13467..13571, 13468..13728, 13468..13728, 13629..13748, 13916..14080, 13933..14070		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o3.gs	Method	GENSCAN
Start	14648	End	25805
GI	none	Score	.75
Exons	14648..14718, 15394..15765, 15850..15929, 16196..16297, 16426..16637, 16767..16922, 17005..17154, 18315..18374, 18486..18613, 19212..19620, 20664..20833, 20896..21060, 21190..21448, 25506..25805		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52

Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o2.tm	Method	TBLASTX:Maize
Start	15305	End	19623
GI	none	Score	34
Exons	15305..15337, 15341..15472, 15341..15478, 15417..15479, 15494..15619, 15494..15769, 15501..15767, 15846..15932, 15848..15931, 16195..16260, 16196..16225, 16223..16300, 16240..16299, 16419..16640, 16420..16467, 16428..16640, 16767..16922, 16767..16925, 16768..16923, 17002..17157, 17012..17155, 18315..18374, 18315..18374, 18316..18375, 18316..18375, 18323..18379, 18448..18615, 18481..18612, 18486..18614, 19192..19623, 19205..19621		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o1.np	Method	AAT/NAP
Start	15344	End	19608
GI	4512667	Score	1715
Exons	15344..15929, 16196..16297, 16426..16637, 16767..16922, 17005..17154, 18315..18374, 18486..18613, 19212..19608		
GI Descrip.	(AC006931) putative MAP kinase [Arabidopsis thaliana]		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o3.gp	Method	AAT/GAP
Start	15466	End	16558
GI	33988_1.R1084	Score	1151
Exons	15466..15765, 15850..15929, 16196..16297, 16426..16558		
GI Descrip.	'4512667/gb|AAD21721.1| 3.0e-33 (AC006931) putative MAP kinase [Arabidopsis thaliana]'		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o2.tw	Method	TBLASTX:Wheat
Start	15527	End	16308
GI	none	Score	190
Exons	15527..15769, 15528..15767, 15532..15768, 15851..15877, 15852..15875, 15881..15931, 15884..15931, 15888..15932, 16194..16307, 16195..16299, 16195..16308, 16196..16300		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o1.ts	Method	TBLASTX:Soybean
Start	16195	End	19623
GI	none	Score	67
Exons	16195..16257, 16196..16249, 16244..16300, 16249..16317, 16419..16640, 16420..16467, 16445..16507, 16534..16638, 16754..16912, 16755..16916, 16767..16925, 16768..16920, 17001..17156, 17002..17157, 17015..17155, 18315..18374, 18328..18375, 18448..18615, 18473..18610, 18486..18644, 19192..19623, 19214..19618, 19216..19623		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o4.tc	Method	TBLASTX:Cress
Start	16195	End	16569
GI	none	Score	97
Exons	16195..16308, 16196..16300, 16419..16568, 16420..16569		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o2.tc	Method	TBLASTX:Cress
Start	16768	End	18375
GI	none	Score	128
Exons	16768..16923, 16770..16925, 16995..17141, 17002..17154, 17024..17149, 18286..18375, 18318..18374		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o1.tc	Method	TBLASTX:Cress
Start	18498	End	19629
GI	none	Score	109
Exons	18498..18617, 18501..18614, 18502..18645, 18512..18616, 19205..19597, 19213..19629		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o3.tw	Method	TBLASTX:Wheat
Start	18525	End	19555
GI	none	Score	65
Exons	18525..18617, 18526..18615, 19165..19554, 19191..19430, 19192..19554, 19463..19555		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o4.gp	Method	AAT/GAP
Start	18961	End	20819
GI	24866_1.R1084	Score	1596
Exons	18961..19620, 20664..20819		
GI Descrip.	'4512667/gb|AAD21721.1| 7.0e-56 (AC006931) putative MAP kinase [Arabidopsis thaliana]'		

Seq. No.	28958	Seq. ID	OJ000250_31.0217.C52
Gene No.	59798	Strand	-
Start	14648	End	25805
Name	OJ000250_31.0217.C52.o5.gp	Method	AAT/GAP
Start	20925	End	21299
GI	none	Score	658
Exons	20925..21299		

Seq. No.	28959	Seq. ID	OJ000250_31.0217.C54
Gene No.	59799	Strand	-
Start	152	End	322
Name	OJ000250_31.0217.C54.o1.gs	Method	GENSCAN

Start	152	End	322
GI	none	Score	.84
Exons	152..322		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59800	Strand	+
Start	252	End	1883
Name	OJ000250_31.0217.C55.o1.gs	Method	GENSCAN
Start	252	End	1883
GI	none	Score	.79
Exons	252..307, 1150..1293, 1482..1681, 1819..1883		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59801	Strand	+
Start	2734	End	7609
Name	OJ000250_31.0217.C55.o1.np	Method	AAT/NAP
Start	2734	End	6889
GI	2213608	Score	1353
Exons	2734..2788, 4424..6889		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59801	Strand	+
Start	2734	End	7609
Name	OJ000250_31.0217.C55.o3.gs	Method	GENSCAN
Start	4442	End	7609
GI	none	Score	.71
Exons	4442..6105, 6358..7609		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59802	Strand	-
Start	2293	End	3857
Name	OJ000250_31.0217.C55.o2.gs	Method	GENSCAN
Start	2293	End	3857
GI	none	Score	.95
Exons	2293..2319, 2654..2760, 3539..3632, 3822..3857		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o2.tw	Method	TBLASTX:Wheat
Start	5000	End	5424
GI	none	Score	312
Exons	5000..5341, 5062..5310, 5312..5422, 5329..5424, 5329..5424		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o2.tm	Method	TBLASTX:Maize
Start	5162	End	5791
GI	none	Score	114
Exons	5162..5356, 5345..5629, 5663..5791		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o3.tw	Method	TBLASTX:Wheat

Start	5431	End	5632
GI	none	Score	205
Exons	5431..5631, 5432..5632		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o1.tm	Method	TBLASTX:Maize
Start	5950	End	6315
GI	none	Score	319
Exons	5950..6072, 5951..6313, 6094..6315		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o1.tw	Method	TBLASTX:Wheat
Start	5960	End	6394
GI	none	Score	103
Exons	5960..6100, 5990..6088, 6091..6369, 6092..6394		

Seq. No.	28960	Seq. ID	OJ000250_31.0217.C55
Gene No.	59803	Strand	-
Start	9759	End	10499
Name	OJ000250_31.0217.C55.o4.gs	Method	GENSCAN
Start	9759	End	10499
GI	none	Score	.76
Exons	9759..9821, 9972..10211, 10243..10330, 10420..10499		

Seq. No.	28961	Seq. ID	OJ000250_31.0217.C56
Gene No.	59804	Strand	+
Start	409	End	2273
Name	OJ000250_31.0217.C56.o1.gs	Method	GENSCAN
Start	409	End	2273
GI	none	Score	.44
Exons	409..736, 1317..1537, 2175..2273		

Seq. No.	28962	Seq. ID	OJ000250_31.0217.C57
Gene No.	59805	Strand	+
Start	170	End	756
Name	OJ000250_31.0217.C57.o1.gs	Method	GENSCAN
Start	170	End	756
GI	none	Score	.49
Exons	170..217, 726..756		

Seq. No.	28962	Seq. ID	OJ000250_31.0217.C57
Gene No.	59806	Strand	-
Start	630	End	889
Name	OJ000250_31.0217.C57.o1.gp	Method	AAT/GAP
Start	630	End	889
GI	57749_1.R1084	Score	458
Exons	630..889		
GI Descrip.	'100535/pir||S12411 6.0e-23 hypothetical protein - swollen duckweed >gi_1929057_emb_CAA32236_ (X14075) longest ORF (1) [Lemna gibba]'		

Seq. No.	28963	Seq. ID	OJ000250_31.0217.C58
Gene No.	59807	Strand	-

Start	204	End	561
Name	OJ000250_31.0217.C58.o1.gs	Method	GENSCAN
Start	204	End	561
GI	none	Score	.86
Exons	204..374, 496..561		

Seq. No.	28964	Seq. ID	OJ000250_31.0217.C60
Gene No.	59808	Strand	+
Start	66	End	434
Name	OJ000250_31.0217.C60.o1.gs	Method	GENSCAN
Start	66	End	434
GI	none	Score	.68
Exons	66..81, 313..434		

Seq. No.	28965	Seq. ID	OJ000250_31.0217.C61
Gene No.	59809	Strand	+
Start	1	End	274
Name	OJ000250_31.0217.C61.o1.np	Method	AAT/NAP
Start	1	End	274
GI	6539588	Score	155
Exons	1..274		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	28965	Seq. ID	OJ000250_31.0217.C61
Gene No.	59809	Strand	+
Start	1	End	274
Name	OJ000250_31.0217.C61.o1.gs	Method	GENSCAN
Start	65	End	272
GI	none	Score	.95
Exons	65..272		

Seq. No.	28966	Seq. ID	OJ000250_31.0217.C62
Gene No.	59810	Strand	+
Start	1	End	598
Name	OJ000250_31.0217.C62.o1.np	Method	AAT/NAP
Start	1	End	598
GI	6862956	Score	305
Exons	1..598		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28966	Seq. ID	OJ000250_31.0217.C62
Gene No.	59810	Strand	+
Start	1	End	598
Name	OJ000250_31.0217.C62.o1.gs	Method	GENSCAN
Start	59	End	521
GI	none	Score	.57
Exons	59..521		

Seq. No.	28967	Seq. ID	OJ000250_31.0217.C63
Gene No.	59811	Strand	+
Start	100	End	927
Name	OJ000250_31.0217.C63.o1.gs	Method	GENSCAN
Start	100	End	927
GI	none	Score	.58
Exons	100..205, 807..927		

Seq. No.	28968	Seq. ID	OJ000250_31.0217.C64

Gene No.	59812	Strand	+
Start	354	End	1288
Name	OJ000250_31.0217.C64.o1.gs	Method	GENSCAN
Start	354	End	1288
GI	none	Score	.47
Exons	354..622, 787..1288		

Seq. No.	28969	Seq. ID	OJ000250_31.0217.C65
Gene No.	59813	Strand	+
Start	511	End	709
Name	OJ000250_31.0217.C65.o1.gs	Method	GENSCAN
Start	511	End	709
GI	none	Score	.65
Exons	511..709		

Seq. No.	28970	Seq. ID	OJ000250_31.0217.C67
Gene No.	59814	Strand	+
Start	1018	End	1136
Name	OJ000250_31.0217.C67.o1.gs	Method	GENSCAN
Start	1018	End	1136
GI	none	Score	.72
Exons	1018..1136		

Seq. No.	28971	Seq. ID	OJ000250_31.0217.C71
Gene No.	59815	Strand	+
Start	972	End	1284
Name	OJ000250_31.0217.C71.o1.gs	Method	GENSCAN
Start	972	End	1284
GI	none	Score	.86
Exons	972..1022, 1119..1284		

Seq. No.	28972	Seq. ID	OJ000250_31.0217.C72
Gene No.	59816	Strand	+
Start	115	End	1429
Name	OJ000250_31.0217.C72.o1.gs	Method	GENSCAN
Start	115	End	1429
GI	none	Score	.59
Exons	115..1192, 1256..1269, 1351..1429		

Seq. No.	28973	Seq. ID	OJ000250_31.0217.C75
Gene No.	59817	Strand	-
Start	224	End	529
Name	OJ000250_31.0217.C75.o1.gs	Method	GENSCAN
Start	224	End	529
GI	none	Score	.93
Exons	224..529		

Seq. No.	28974	Seq. ID	OJ000250_31.0217.C76
Gene No.	59818	Strand	-
Start	661	End	763
Name	OJ000250_31.0217.C76.o1.gs	Method	GENSCAN
Start	661	End	763
GI	none	Score	.85
Exons	661..763		

Seq. No.	28975	Seq. ID	OJ000250_31.0217.C80
Gene No.	59819	Strand	-

Start	277	End	2059
Name	OJ000250_31.0217.C80.o1.gs	Method	GENSCAN
Start	277	End	2059
GI	none	Score	.84
Exons	277..354, 1330..1490, 1737..1816, 1843..2059		

Seq. No.	28976	Seq. ID	OJ000250_31.0217.C81
Gene No.	59820	Strand	+
Start	5	End	404
Name	OJ000250_31.0217.C81.o1.gs	Method	GENSCAN
Start	5	End	404
GI	none	Score	.53
Exons	5..194, 328..404		

Seq. No.	28976	Seq. ID	OJ000250_31.0217.C81
Gene No.	59821	Strand	-
Start	1673	End	3343
Name	OJ000250_31.0217.C81.o1.np	Method	AAT/NAP
Start	1673	End	3343
GI	2130022	Score	116
Exons	1673..1693, 3066..3202, 3310..3343		
GI Descrip.	aldose reductase homolog - wild oat gi|1155213 (U21747) aldose reductase-related protein [Avena fatua] gi|1587923|prf||2207360A aldose reductase [Avena fatua]		

Seq. No.	28977	Seq. ID	OJ000250_31.0217.C82
Gene No.	59822	Strand	-
Start	1	End	750
Name	OJ000250_31.0217.C82.o1.np	Method	AAT/NAP
Start	1	End	750
GI	4538896	Score	593
Exons	1..349, 378..750		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	28977	Seq. ID	OJ000250_31.0217.C82
Gene No.	59822	Strand	-
Start	1	End	750
Name	OJ000250_31.0217.C82.o1.gs	Method	GENSCAN
Start	240	End	609
GI	none	Score	.71
Exons	240..341, 463..609		

Seq. No.	28977	Seq. ID	OJ000250_31.0217.C82
Gene No.	59822	Strand	-
Start	1	End	750
Name	OJ000250_31.0217.C82.o1.tm	Method	TBLASTX:Maize
Start	348	End	616
GI	none	Score	103
Exons	348..389, 385..615, 386..616		

Seq. No.	28978	Seq. ID	OJ000250_31.0217.C85
Gene No.	59823	Strand	+
Start	1	End	550
Name	OJ000250_31.0217.C85.o1.np	Method	AAT/NAP
Start	1	End	550
GI	4680179	Score	820
Exons	1..550		

GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	28978	Seq. ID	OJ000250_31.0217.C85
Gene No.	59823	Strand	+
Start	1	End	550
Name	OJ000250_31.0217.C85.o1.tm	Method	TBLASTX:Maize
Start	29	End	346
GI	none	Score	423
Exons	29..346, 41..199, 49..342		
Seq. No.	28978	Seq. ID	OJ000250_31.0217.C85
Gene No.	59823	Strand	+
Start	1	End	550
Name	OJ000250_31.0217.C85.o1.tw	Method	TBLASTX:Wheat
Start	71	End	550
GI	none	Score	514
Exons	71..550, 71..505, 73..549		
Seq. No.	28978	Seq. ID	OJ000250_31.0217.C85
Gene No.	59823	Strand	+
Start	1	End	550
Name	OJ000250_31.0217.C85.o2.tm	Method	TBLASTX:Maize
Start	352	End	550
GI	none	Score	211
Exons	352..549, 353..550		
Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o1.np	Method	AAT/NAP
Start	1	End	813
GI	4680179	Score	1148
Exons	1..813		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o2.tw	Method	TBLASTX:Wheat
Start	58	End	355
GI	none	Score	85
Exons	58..168, 59..163, 64..168, 159..317, 160..318, 250..318, 263..355		
Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o2.tm	Method	TBLASTX:Maize
Start	64	End	370
GI	none	Score	98
Exons	64..168, 183..320, 217..318, 224..370, 260..361		
Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o1.ts	Method	TBLASTX:Soybean
Start	70	End	464

GI	none	Score	119
Exons	70..168, 82..312, 162..428, 385..426, 432..464, 432..464		

Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o1.gs	Method	GENSCAN
Start	129	End	707
GI	none	Score	.95
Exons	129..707		

Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o1.tm	Method	TBLASTX:Maize
Start	375	End	810
GI	none	Score	113
Exons	375..806, 385..810		

Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o1.tw	Method	TBLASTX:Wheat
Start	405	End	812
GI	none	Score	211
Exons	405..812, 408..776, 448..807		

Seq. No.	28979	Seq. ID	OJ000250_31.0217.C86
Gene No.	59824	Strand	-
Start	1	End	813
Name	OJ000250_31.0217.C86.o2.ts	Method	TBLASTX:Soybean
Start	537	End	806
GI	none	Score	189
Exons	537..806		

Seq. No.	28980	Seq. ID	OJ000250_31.0217.C87
Gene No.	59825	Strand	-
Start	1	End	839
Name	OJ000250_31.0217.C87.o1.np	Method	AAT/NAP
Start	1	End	839
GI	4680179	Score	693
Exons	1..839		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	28980	Seq. ID	OJ000250_31.0217.C87
Gene No.	59825	Strand	-
Start	1	End	839
Name	OJ000250_31.0217.C87.o1.tm	Method	TBLASTX:Maize
Start	229	End	531
GI	none	Score	57
Exons	229..531, 344..505		

Seq. No.	28980	Seq. ID	OJ000250_31.0217.C87
Gene No.	59825	Strand	-
Start	1	End	839
Name	OJ000250_31.0217.C87.o1.tw	Method	TBLASTX:Wheat
Start	412	End	771

GI	none	Score	82
Exons	412..771, 413..646, 668..745		

Seq. No.	28981	Seq. ID	OJ000250_31.0217.C88
Gene No.	59826	Strand	-
Start	1	End	2690
Name	OJ000250_31.0217.C88.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	4512231	Score	715
Exons	1..493, 999..1039		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	28981	Seq. ID	OJ000250_31.0217.C88
Gene No.	59826	Strand	-
Start	1	End	2690
Name	OJ000250_31.0217.C88.o1.gs	Method	GENSCAN
Start	43	End	2635
GI	none	Score	.68
Exons	43..306, 352..455, 2548..2635		

Seq. No.	28981	Seq. ID	OJ000250_31.0217.C88
Gene No.	59826	Strand	-
Start	1	End	2690
Name	OJ000250_31.0217.C88.o2.np	Method	AAT/NAP
Start	1454	End	1630
GI	6063554	Score	155
Exons	1454..1630		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	28981	Seq. ID	OJ000250_31.0217.C88
Gene No.	59826	Strand	-
Start	1	End	2690
Name	OJ000250_31.0217.C88.o3.np	Method	AAT/NAP
Start	2182	End	2690
GI	5852178	Score	144
Exons	2182..2284, 2647..2690		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	28982	Seq. ID	OJ000250_31.0217.C90
Gene No.	59827	Strand	-
Start	177	End	596
Name	OJ000250_31.0217.C90.o1.gs	Method	GENSCAN
Start	177	End	596
GI	none	Score	.95
Exons	177..596		

Seq. No.	28983	Seq. ID	OJ000250_31.0217.C91
Gene No.	59828	Strand	-
Start	852	End	954
Name	OJ000250_31.0217.C91.o1.gp	Method	AAT/GAP
Start	852	End	954
GI	uC-osf1M202068e03b1	Score	181
Exons	852..954		
GI Descrip.	'5817001/emb|CAB53656.1| 3.0e-16 (AL110123) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	28983	Seq. ID	OJ000250_31.0217.C91
Gene No.	59828	Strand	-
Start	852	End	954
Name	OJ000250_31.0217.C91.o1.np	Method	AAT/NAP
Start	854	End	954
GI	5817001	Score	66
Exons	854..954		
GI Descrip.	(AL110123) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59829	Strand	+
Start	241	End	413
Name	OJ000250_31.0217.C92.o1.gs	Method	GENSCAN
Start	241	End	413
GI	none	Score	.77
Exons	241..413		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59830	Strand	+
Start	1522	End	4837
Name	OJ000250_31.0217.C92.o1.np	Method	AAT/NAP
Start	1522	End	4837
GI	4587563	Score	56
Exons	1522..1565, 2637..3080, 3153..3279, 4789..4837		
GI Descrip.	(AC006550) Similar to gb|U51990 pre-mRNA-splicing factor hPrp18 from Homo sapiens. ESTs gb|T46391 and gb|AA721815 come from this gene. [Arabidopsis thaliana]		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59831	Strand	+
Start	5369	End	10625
Name	OJ000250_31.0217.C92.o3.gs	Method	GENSCAN
Start	5369	End	9823
GI	none	Score	.88
Exons	5369..5728, 5928..6047, 7129..7233, 7332..7493, 8433..8471, 8823..8906, 9295..9333, 9412..9474, 9558..9687, 9768..9823		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59831	Strand	+
Start	5369	End	10625
Name	OJ000250_31.0217.C92.o2.np	Method	AAT/NAP
Start	5693	End	9820
GI	1296805	Score	1210
Exons	5693..5728, 5928..6047, 6750..6887, 7129..7233, 7332..7500, 7956..8032, 8245..8289, 8823..8906, 9295..9333, 9412..9474, 9558..9687, 9768..9820		
GI Descrip.	(X90929) C-terminal peptidase of the D1 protein [Hordeum vulgare]		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59831	Strand	+
Start	5369	End	10625
Name	OJ000250_31.0217.C92.o2.gp	Method	AAT/GAP
Start	7118	End	7486
GI	LIB3432-040-P1-K1-F4	Score	459
Exons	7118..7233, 7332..7486		

GI Descrip. '1296805/emb|CAA62434| 5.0e-37 (X90929) C-terminal peptidase of the D1 protein [Hordeum vulgare]'

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59831	Strand	+
Start	5369	End	10625
Name	OJ000250_31.0217.C92.o3.gp	Method	AAT/GAP
Start	8254	End	8760
GI	none	Score	997
Exons	8254..8760		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59831	Strand	+
Start	5369	End	10625
Name	OJ000250_31.0217.C92.o4.gp	Method	AAT/GAP
Start	9308	End	10625
GI	LIB3432-022-P1-K1-G5	Score	856
Exons	9308..9333, 9412..9474, 9558..9687, 9768..9858, 10451..10625		
GI Descrip.	'1296805/emb|CAA62434| 2.0e-36 (X90929) C-terminal peptidase of the D1 protein [Hordeum vulgare]'		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59832	Strand	-
Start	2559	End	3697
Name	OJ000250_31.0217.C92.o2.gs	Method	GENSCAN
Start	2559	End	3697
GI	none	Score	.76
Exons	2559..3346, 3397..3463, 3692..3697		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59833	Strand	-
Start	4844	End	5163
Name	OJ000250_31.0217.C92.o1.gp	Method	AAT/GAP
Start	4844	End	5163
GI	LIB3432-058-P1-K1-E12	Score	341
Exons	4844..5163		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59834	Strand	
Start	7203	End	9465
Name	OJ000250_31.0217.C92.o1.tm	Method	TBLASTX:Maize
Start	7203	End	9465
GI	none	Score	53
Exons	7203..7238, 7204..7236, 7322..7492, 7332..7493, 7954..8028, 7955..8032, 7958..8032, 7959..8033, 7960..8034, 8242..8298, 8244..8294, 8811..8915, 8823..8909, 9295..9348, 9298..9333, 9411..9464, 9412..9465		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59835	Strand	
Start	9396	End	9706
Name	OJ000250_31.0217.C92.o1.tc	Method	TBLASTX:Cress
Start	9396	End	9689
GI	none	Score	106
Exons	9396..9476, 9412..9477, 9555..9689, 9557..9688		

Seq. No.	28984	Seq. ID	OJ000250_31.0217.C92
Gene No.	59835	Strand	
Start	9396	End	9706
Name	OJ000250_31.0217.C92.o1.ts	Method	TBLASTX:Soybean
Start	9411	End	9706
GI	none	Score	95
Exons	9411..9470, 9412..9474, 9555..9686, 9557..9706, 9557..9670		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59836	Strand	+
Start	81	End	7265
Name	OJ000250_31.0217.C93.o1.gs	Method	GENSCAN
Start	81	End	7265
GI	none	Score	.65
Exons	81..170, 1825..1992, 2417..2505, 2916..3393, 4709..4897, 4995..5086, 6053..6112, 6229..6319, 6606..6809, 6885..7265		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59836	Strand	+
Start	81	End	7265
Name	OJ000250_31.0217.C93.o1.np	Method	AAT/NAP
Start	2932	End	7262
GI	4512660	Score	1200
Exons	2932..3027, 3097..3200, 3246..3546, 4709..4897, 4995..5086, 6250..6319, 6606..6809, 6885..7262		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59837	Strand	+
Start	11849	End	13468
Name	OJ000250_31.0217.C93.o3.gs	Method	GENSCAN
Start	11849	End	13468
GI	none	Score	.51
Exons	11849..12127, 12148..12418, 13383..13468		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59837	Strand	+
Start	11849	End	13468
Name	OJ000250_31.0217.C93.o1.gp	Method	AAT/GAP
Start	12190	End	12340
GI	4879971	Score	90
Exons	12190..12239, 12308..12340		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59838	Strand	+
Start	17950	End	25128
Name	OJ000250_31.0217.C93.o5.gs	Method	GENSCAN
Start	17950	End	23389
GI	none	Score	.54
Exons	17950..17982, 19085..19189, 19368..19554, 19817..19997, 20454..20777, 20858..20975, 21058..21234, 23132..23389		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59838	Strand	+
Start	17950	End	25128
Name	OJ000250_31.0217.C93.o3.gp	Method	AAT/GAP

Start	23204	End	25128
GI	57749_1.R1084	Score	514
Exons	23204..23401, 25056..25128		
GI Descrip.	'100535/pir||S12411 6.0e-23 hypothetical protein - swollen duckweed >gi_1929057_emb_CAA32236_ (X14075) longest ORF (1) [Lemna gibba]'		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59839	Strand	-
Start	9142	End	12353
Name	OJ000250_31.0217.C93.o2.gs	Method	GENSCAN
Start	9142	End	11397
GI	none	Score	.93
Exons	9142..9261, 9380..9589, 9672..9801, 9899..10069, 10194..10313, 10568..10672, 10745..11397		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59839	Strand	-
Start	9142	End	12353
Name	OJ000250_31.0217.C93.o2.np	Method	AAT/NAP
Start	9173	End	12353
GI	4512659	Score	1275
Exons	9173..9261, 9376..9589, 9672..9801, 9899..10069, 10194..10313, 10568..10672, 10745..11350, 12295..12353		
GI Descrip.	(AC006931) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o2.tc	Method	TBLASTX:Cress
Start	2958	End	3546
GI	none	Score	102
Exons	2958..3032, 2959..3042, 3220..3312, 3249..3305, 3328..3546, 3328..3546		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o1.tm	Method	TBLASTX:Maize
Start	3135	End	3533
GI	none	Score	588
Exons	3135..3494, 3136..3531, 3136..3531, 3153..3533, 3158..3532		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o3.ts	Method	TBLASTX:Soybean
Start	3247	End	3485
GI	none	Score	342
Exons	3247..3483, 3247..3480, 3381..3485		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o4.ts	Method	TBLASTX:Soybean
Start	4763	End	6304
GI	none	Score	186

Exons	4763..4906, 4765..4908, 4778..4918, 4988..5104, 4989..5108, 6045..6116, 6051..6113, 6052..6117, 6248..6304		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o5.tm	Method	TBLASTX:Maize
Start	6897	End	7311
GI	none	Score	35
Exons	6897..6917, 6909..7001, 6917..7048, 6918..7004, 7004..7261, 7012..7311, 7013..7240, 7089..7265		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o5.ts	Method	TBLASTX:Soybean
Start	6921	End	7199
GI	none	Score	127
Exons	6921..7007, 6923..7087, 7089..7199, 7155..7193		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o4.tc	Method	TBLASTX:Cress
Start	9372	End	9752
GI	none	Score	77
Exons	9372..9590, 9374..9592, 9672..9752, 9672..9752		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o1.ts	Method	TBLASTX:Soybean
Start	9401	End	10292
GI	none	Score	99
Exons	9401..9592, 9407..9586, 9669..9800, 9669..9800, 9712..9801, 9885..10028, 9895..10068, 9907..10062, 9953..10084, 10193..10246, 10194..10247, 10253..10288, 10254..10292		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o2.tm	Method	TBLASTX:Maize
Start	9401	End	10039
GI	none	Score	73
Exons	9401..9592, 9404..9490, 9405..9587, 9669..9800, 9712..9801, 9895..10038, 9896..10039		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o1.tw	Method	TBLASTX:Wheat
Start	9696	End	10068
GI	none	Score	179
Exons	9696..9800, 9895..10068		
Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-

Start	15618	End	17234
Name	OJ000250_31.0217.C93.o3.tc	Method	TBLASTX:Cress
Start	9753	End	10321
GI	none	Score	104
Exons	9753..9800, 9880..10062, 9891..10061, 9895..10068, 9896..10069, 10170..10238, 10193..10246, 10251..10316, 10251..10313, 10253..10321		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o3.tm	Method	TBLASTX:Maize
Start	10253	End	11095
GI	none	Score	71
Exons	10253..10315, 10254..10316, 10567..10671, 10568..10675, 10744..11016, 10744..10932, 10748..10969, 11011..11094, 11015..11095		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o2.ts	Method	TBLASTX:Soybean
Start	10566	End	10936
GI	none	Score	102
Exons	10566..10667, 10567..10668, 10567..10671, 10574..10675, 10744..10905, 10744..10932, 10778..10936, 10841..10936		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o1.tc	Method	TBLASTX:Cress
Start	10586	End	10936
GI	none	Score	103
Exons	10586..10672, 10588..10671, 10747..10935, 10747..10932, 10856..10936		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o4.tm	Method	TBLASTX:Maize
Start	11095	End	11595
GI	none	Score	305
Exons	11095..11262, 11096..11380, 11099..11422, 11104..11400, 11443..11526, 11451..11498, 11545..11595		

Seq. No.	28985	Seq. ID	OJ000250_31.0217.C93
Gene No.	59840	Strand	-
Start	15618	End	17234
Name	OJ000250_31.0217.C93.o4.gs	Method	GENSCAN
Start	15618	End	17234
GI	none	Score	.93
Exons	15618..15742, 15832..16050, 16660..16755, 17222..17234		

Seq. No.	28986	Seq. ID	OJ000250_31.0217.C94
Gene No.	59841	Strand	+
Start	534	End	1972
Name	OJ000250_31.0217.C94.o1.gp	Method	AAT/GAP

Start	534	End	1972
GI	57749_1.R1084	Score	1151
Exons	534..606, 745..792, 899..955, 1405..1462, 1556..1972		
GI Descrip.	'100535/pir||S12411 6.0e-23 hypothetical protein - swollen duckweed >gi_1929057_emb_CAA32236_ (X14075) longest ORF (1) [Lemna gibba]'		

Seq. No.	28986	Seq. ID	OJ000250_31.0217.C94
Gene No.	59841	Strand	+
Start	534	End	1972
Name	OJ000250_31.0217.C94.o1.tc	Method	TBLASTX:Cress
Start	541	End	1739
GI	none	Score	112
Exons	541..606, 541..606, 542..613, 543..608, 736..792, 742..792, 743..796, 884..955, 896..955, 1400..1462, 1401..1460, 1402..1461, 1551..1739, 1555..1737, 1557..1739		

Seq. No.	28986	Seq. ID	OJ000250_31.0217.C94
Gene No.	59841	Strand	+
Start	534	End	1972
Name	OJ000250_31.0217.C94.o1.tm	Method	TBLASTX:Maize
Start	541	End	1647
GI	none	Score	91
Exons	541..606, 543..608, 543..608, 721..792, 727..792, 743..796, 895..954, 896..955, 1388..1477, 1389..1460, 1402..1467, 1555..1602, 1567..1647, 1569..1628		

Seq. No.	28986	Seq. ID	OJ000250_31.0217.C94
Gene No.	59841	Strand	+
Start	534	End	1972
Name	OJ000250_31.0217.C94.o1.np	Method	AAT/NAP
Start	562	End	1499
GI	100535	Score	149
Exons	562..606, 745..792, 896..955, 1405..1499		
GI Descrip.	hypothetical protein - swollen duckweed gi|1929057|emb|CAA32236| (X14075) longest ORF (1) [Lemna gibba]		

Seq. No.	28986	Seq. ID	OJ000250_31.0217.C94
Gene No.	59841	Strand	+
Start	534	End	1972
Name	OJ000250_31.0217.C94.o1.gs	Method	GENSCAN
Start	745	End	1632
GI	none	Score	.78
Exons	745..792, 899..955, 1405..1632		

Seq. No.	28987	Seq. ID	OJ000250_31.0217.C95
Gene No.	59842	Strand	-
Start	1100	End	1143
Name	OJ000250_31.0217.C95.o1.gs	Method	GENSCAN
Start	1100	End	1143
GI	none	Score	.53
Exons	1100..1143		

Seq. No.	28988	Seq. ID	OJ000250_31.0217.C96
Gene No.	59843	Strand	-
Start	101	End	614
Name	OJ000250_31.0217.C96.o1.gs	Method	GENSCAN

Start	101	End	614
GI	none	Score	.47
Exons	101..614		

Seq. No.	28989	Seq. ID	OJ000250_31.0217.C97
Gene No.	59844	Strand	-
Start	1	End	606
Name	OJ000250_31.0217.C97.o1.np	Method	AAT/NAP
Start	1	End	606
GI	4512660	Score	461
Exons	1..315, 391..606		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28989	Seq. ID	OJ000250_31.0217.C97
Gene No.	59844	Strand	-
Start	1	End	606
Name	OJ000250_31.0217.C97.o1.tm	Method	TBLASTX:Maize
Start	68	End	303
GI	none	Score	231
Exons	68..112, 72..281, 101..283, 191..283, 283..303		

Seq. No.	28989	Seq. ID	OJ000250_31.0217.C97
Gene No.	59844	Strand	-
Start	1	End	606
Name	OJ000250_31.0217.C97.o1.gs	Method	GENSCAN
Start	154	End	594
GI	none	Score	.5
Exons	154..315, 391..594		

Seq. No.	28990	Seq. ID	OJ000250_31.0217.C99
Gene No.	59845	Strand	+
Start	52	End	174
Name	OJ000250_31.0217.C99.o1.gs	Method	GENSCAN
Start	52	End	174
GI	none	Score	.53
Exons	52..174		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o1.gs	Method	GENSCAN
Start	587	End	2083
GI	none	Score	.93
Exons	587..1045, 1223..2083		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o1.ts	Method	TBLASTX:Soybean
Start	597	End	847
GI	none	Score	46
Exons	597..635, 602..847, 708..845		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o1.np	Method	AAT/NAP

Start	608	End	2153
GI	4544372	Score	587
Exons	608..1814, 2088..2153		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o1.tw	Method	TBLASTX:Wheat
Start	623	End	1030
GI	none	Score	87
Exons	623..1030, 657..890		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o2.tw	Method	TBLASTX:Wheat
Start	1055	End	1429
GI	none	Score	51
Exons	1055..1429, 1350..1421		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o2.ts	Method	TBLASTX:Soybean
Start	1190	End	1588
GI	none	Score	59
Exons	1190..1588, 1368..1553		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o1.tm	Method	TBLASTX:Maize
Start	1211	End	1591
GI	none	Score	91
Exons	1211..1435, 1433..1591		

Seq. No.	28991	Seq. ID	OJ000250_31.0217.C100
Gene No.	59846	Strand	-
Start	587	End	2153
Name	OJ000250_31.0217.C100.o3.tw	Method	TBLASTX:Wheat
Start	1445	End	1747
GI	none	Score	179
Exons	1445..1747		

Seq. No.	28992	Seq. ID	OJ000250_31.0217.C101
Gene No.	59847	Strand	-
Start	188	End	1320
Name	OJ000250_31.0217.C101.o1.gs	Method	GENSCAN
Start	188	End	1320
GI	none	Score	.73
Exons	188..288, 404..1320		

Seq. No.	28992	Seq. ID	OJ000250_31.0217.C101
Gene No.	59847	Strand	-
Start	188	End	1320

Name	OJ000250_31.0217.C101.o1.ts	Method	TBLASTX:Soybean
Start	448	End	786
GI	none	Score	191
Exons	448..786		

Seq. No.	28993	Seq. ID	OJ000250_31.0217.C103
Gene No.	59848	Strand	-
Start	1	End	718
Name	OJ000250_31.0217.C103.o1.np	Method	AAT/NAP
Start	1	End	718
GI	3152568	Score	598
Exons	1..718		
GI Descrip.	(AC002986) Similar to hypothetical protein product gb|Z97337 from A. thaliana. EST gb|H76597 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	28993	Seq. ID	OJ000250_31.0217.C103
Gene No.	59848	Strand	-
Start	1	End	718
Name	OJ000250_31.0217.C103.o1.tm	Method	TBLASTX:Maize
Start	3	End	716
GI	none	Score	140
Exons	3..53, 26..352, 54..554, 55..456, 520..558, 573..716, 643..714		

Seq. No.	28993	Seq. ID	OJ000250_31.0217.C103
Gene No.	59848	Strand	-
Start	1	End	718
Name	OJ000250_31.0217.C103.o1.ts	Method	TBLASTX:Soybean
Start	198	End	455
GI	none	Score	180
Exons	198..455, 199..450		

Seq. No.	28993	Seq. ID	OJ000250_31.0217.C103
Gene No.	59848	Strand	-
Start	1	End	718
Name	OJ000250_31.0217.C103.o1.gp	Method	AAT/GAP
Start	313	End	718
GI	30028_1.R1084	Score	808
Exons	313..718		
GI Descrip.	'3152568 1.0e-73 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	28993	Seq. ID	OJ000250_31.0217.C103
Gene No.	59848	Strand	-
Start	1	End	718
Name	OJ000250_31.0217.C103.o1.tc	Method	TBLASTX:Cress
Start	396	End	716
GI	none	Score	60
Exons	396..554, 396..554, 570..716, 661..714		

Seq. No.	28994	Seq. ID	OJ000250_31.0217.C105
Gene No.	59849	Strand	-
Start	1	End	421
Name	OJ000250_31.0217.C105.o1.gp	Method	AAT/GAP
Start	1	End	421
GI	57749_1.R1084	Score	221

Exons	1..23, 260..421		
GI Descrip.	'100535/pir||S12411 6.0e-23 hypothetical protein - swollen duckweed >gi_1929057_emb_CAA32236_ (X14075) longest ORF (1) [Lemna gibba]'		
Seq. No.	28995	Seq. ID	OJ000250_31.0217.C109
Gene No.	59850	Strand	-
Start	142	End	507
Name	OJ000250_31.0217.C109.o1.gs	Method	GENSCAN
Start	142	End	507
GI	none	Score	.45
Exons	142..165, 306..507		
Seq. No.	28996	Seq. ID	OJ000250_31.0217.C110
Gene No.	59851	Strand	-
Start	140	End	781
Name	OJ000250_31.0217.C110.o1.gs	Method	GENSCAN
Start	140	End	781
GI	none	Score	.67
Exons	140..221, 315..417, 647..781		
Seq. No.	28997	Seq. ID	OJ000250_31.0217.C111
Gene No.	59852	Strand	+
Start	400	End	483
Name	OJ000250_31.0217.C111.o1.gp	Method	AAT/GAP
Start	400	End	483
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	400..483		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	28998	Seq. ID	OJ000250_31.0217.C112
Gene No.	59853	Strand	-
Start	1	End	171
Name	OJ000250_31.0217.C112.o1.np	Method	AAT/NAP
Start	1	End	171
GI	4680183	Score	211
Exons	1..171		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	28998	Seq. ID	OJ000250_31.0217.C112
Gene No.	59853	Strand	-
Start	1	End	171
Name	OJ000250_31.0217.C112.o1.tw	Method	TBLASTX:Wheat
Start	1	End	171
GI	none	Score	109
Exons	1..120, 12..116, 101..166, 121..171		
Seq. No.	28999	Seq. ID	OJ000250_31.0217.C113
Gene No.	59854	Strand	-
Start	1	End	635
Name	OJ000250_31.0217.C113.o1.np	Method	AAT/NAP
Start	1	End	635
GI	2864621	Score	231
Exons	1..20, 208..635		
GI Descrip.	(AL021811) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	28999	Seq. ID	OJ000250_31.0217.C113
Gene No.	59854	Strand	-
Start	1	End	635
Name	OJ000250_31.0217.C113.o1.gs	Method	GENSCAN
Start	37	End	553
GI	none	Score	.83
Exons	37..553		

Seq. No.	28999	Seq. ID	OJ000250_31.0217.C113
Gene No.	59854	Strand	-
Start	1	End	635
Name	OJ000250_31.0217.C113.o1.tw	Method	TBLASTX:Wheat
Start	186	End	605
GI	none	Score	54
Exons	186..476, 229..378, 400..465, 516..605		

Seq. No.	28999	Seq. ID	OJ000250_31.0217.C113
Gene No.	59854	Strand	-
Start	1	End	635
Name	OJ000250_31.0217.C113.o1.ts	Method	TBLASTX:Soybean
Start	238	End	635
GI	none	Score	138
Exons	238..492, 240..491, 513..569, 513..635, 517..630		

Seq. No.	29000	Seq. ID	OJ000150_35.0225.C1
Gene No.	59855	Strand	-
Start	230	End	362
Name	OJ000150_35.0225.C1.o1.gs	Method	GENSCAN
Start	230	End	362
GI	none	Score	.46
Exons	230..362		

Seq. No.	29001	Seq. ID	OJ000150_35.0225.C2
Gene No.	59856	Strand	+
Start	1	End	735
Name	OJ000150_35.0225.C2.o1.np	Method	AAT/NAP
Start	1	End	735
GI	4508073	Score	138
Exons	1..45, 291..518, 607..735		
GI Descrip.	(AC005882) 43220 [Arabidopsis thaliana]		

Seq. No.	29001	Seq. ID	OJ000150_35.0225.C2
Gene No.	59856	Strand	+
Start	1	End	735
Name	OJ000150_35.0225.C2.o1.gs	Method	GENSCAN
Start	228	End	735
GI	none	Score	.96
Exons	228..499, 582..735		

Seq. No.	29002	Seq. ID	OJ000150_35.0225.C3
Gene No.	59857	Strand	-
Start	1	End	1270
Name	OJ000150_35.0225.C3.o1.np	Method	AAT/NAP
Start	1	End	1140
GI	4928460	Score	169
Exons	1..144, 500..622, 1039..1140		

GI Descrip. (AF133127) thioredoxin h [Hevea brasiliensis]

Seq. No.	29002	Seq. ID	OJ000150_35.0225.C3
Gene No.	59857	Strand	-
Start	1	End	1270
Name	OJ000150_35.0225.C3.o1.gp	Method	AAT/GAP
Start	500	End	1270
GI	21070_1.R1084	Score	635
Exons	500..622, 1039..1270		
GI Descrip.	'4928460/gb|AAD33596.1|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	29002	Seq. ID	OJ000150_35.0225.C3
Gene No.	59858	Strand	-
Start	2267	End	2733
Name	OJ000150_35.0225.C3.o1.tm	Method	TBLASTX:Maize
Start	496	End	634
GI	none	Score	151
Exons	496..630, 497..634, 497..622, 517..630		

Seq. No.	29002	Seq. ID	OJ000150_35.0225.C3
Gene No.	59858	Strand	-
Start	2267	End	2733
Name	OJ000150_35.0225.C3.o2.gp	Method	AAT/GAP
Start	2267	End	2733
GI	none	Score	875
Exons	2267..2733		

Seq. No.	29003	Seq. ID	OJ000150_35.0225.C4
Gene No.	59859	Strand	+
Start	793	End	1555
Name	OJ000150_35.0225.C4.o1.gs	Method	GENSCAN
Start	793	End	1555
GI	none	Score	.73
Exons	793..844, 1422..1555		

Seq. No.	29004	Seq. ID	OJ000150_35.0225.C6
Gene No.	59860	Strand	-
Start	77	End	700
Name	OJ000150_35.0225.C6.o1.np	Method	AAT/NAP
Start	77	End	700
GI	6689826	Score	137
Exons	77..235, 321..700		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	29004	Seq. ID	OJ000150_35.0225.C6
Gene No.	59860	Strand	-
Start	77	End	700
Name	OJ000150_35.0225.C6.o1.gs	Method	GENSCAN
Start	83	End	589
GI	none	Score	.56
Exons	83..187, 195..312, 318..589		

Seq. No.	29005	Seq. ID	OJ000150_35.0225.C7
Gene No.	59861	Strand	-
Start	1	End	201
Name	OJ000150_35.0225.C7.o1.np	Method	AAT/NAP

Start	1	End	201
GI	3668115	Score	76
Exons	1..201		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	29005	Seq. ID	OJ000150_35.0225.C7
Gene No.	59861	Strand	-
Start	1	End	201
Name	OJ000150_35.0225.C7.o1.gs	Method	GENSCAN
Start	42	End	162
GI	none	Score	.99
Exons	42..162		

Seq. No.	29005	Seq. ID	OJ000150_35.0225.C7
Gene No.	59862	Strand	-
Start	881	End	1002
Name	OJ000150_35.0225.C7.o2.gp	Method	AAT/GAP
Start	881	End	1002
GI	2442924	Score	203
Exons	881..1002		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	29006	Seq. ID	OJ000150_35.0225.C8
Gene No.	59863	Strand	+
Start	619	End	677
Name	OJ000150_35.0225.C8.o1.gs	Method	GENSCAN
Start	619	End	677
GI	none	Score	.48
Exons	619..677		

Seq. No.	29007	Seq. ID	OJ000150_35.0225.C9
Gene No.	59864	Strand	-
Start	544	End	618
Name	OJ000150_35.0225.C9.o1.gs	Method	GENSCAN
Start	544	End	618
GI	none	Score	1
Exons	544..618		

Seq. No.	29008	Seq. ID	OJ000150_35.0225.C10
Gene No.	59865	Strand	+
Start	101	End	554
Name	OJ000150_35.0225.C10.o1.gp	Method	AAT/GAP
Start	101	End	554
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	101..554		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	29008	Seq. ID	OJ000150_35.0225.C10
Gene No.	59865	Strand	+
Start	101	End	554
Name	OJ000150_35.0225.C10.o1.gs	Method	GENSCAN
Start	116	End	276
GI	none	Score	.95
Exons	116..276		

Seq. No.	29009	Seq. ID	OJ000150_35.0225.C11
Gene No.	59866	Strand	+
Start	1	End	814
Name	OJ000150_35.0225.C11.o1.np	Method	AAT/NAP
Start	1	End	814
GI	3894187	Score	101
Exons	1..256, 729..814		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29009	Seq. ID	OJ000150_35.0225.C11
Gene No.	59867	Strand	-
Start	13	End	268
Name	OJ000150_35.0225.C11.o1.gs	Method	GENSCAN
Start	13	End	268
GI	none	Score	.92
Exons	13..268		

Seq. No.	29010	Seq. ID	OJ000150_35.0225.C12
Gene No.	59868	Strand	+
Start	1	End	737
Name	OJ000150_35.0225.C12.o1.np	Method	AAT/NAP
Start	1	End	737
GI	6498441	Score	701
Exons	1..463, 647..737		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	29010	Seq. ID	OJ000150_35.0225.C12
Gene No.	59868	Strand	+
Start	1	End	737
Name	OJ000150_35.0225.C12.o1.tw	Method	TBLASTX:Wheat
Start	98	End	560
GI	none	Score	581
Exons	98..553, 99..560, 99..554		

Seq. No.	29010	Seq. ID	OJ000150_35.0225.C12
Gene No.	59868	Strand	+
Start	1	End	737
Name	OJ000150_35.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	138	End	503
GI	none	Score	111
Exons	138..362, 369..503		

Seq. No.	29010	Seq. ID	OJ000150_35.0225.C12
Gene No.	59868	Strand	+
Start	1	End	737
Name	OJ000150_35.0225.C12.o1.gs	Method	GENSCAN
Start	153	End	711
GI	none	Score	.73
Exons	153..272, 291..463, 524..711		

Seq. No.	29010	Seq. ID	OJ000150_35.0225.C12
Gene No.	59868	Strand	+
Start	1	End	737
Name	OJ000150_35.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	228	End	584

GI	none	Score	383
Exons	228..584, 263..574, 279..584		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o1.np	Method	AAT/NAP
Start	1	End	632
GI	1170619	Score	490
Exons	1..177, 259..363, 456..632		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o1.tc	Method	TBLASTX:Cress
Start	66	End	641
GI	none	Score	154
Exons	66..173, 70..177, 256..363, 258..356, 432..641, 446..595		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	70	End	505
GI	none	Score	146
Exons	70..174, 84..173, 117..179, 255..353, 258..356, 259..363, 262..369, 432..503, 446..505		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o1.gs	Method	GENSCAN
Start	73	End	557
GI	none	Score	.7
Exons	73..177, 259..363, 456..557		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o1.gp	Method	AAT/GAP
Start	135	End	936
GI	25545_1.R1084	Score	1187
Exons	135..177, 259..363, 456..936		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+

Start	1	End	936
Name	OJ000150_35.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	142	End	638
GI	none	Score	55
Exons	142..174, 144..173, 255..353, 258..356, 259..363, 432..638, 446..607		

Seq. No.	29011	Seq. ID	OJ000150_35.0225.C14
Gene No.	59869	Strand	+
Start	1	End	936
Name	OJ000150_35.0225.C14.o2.tm	Method	TBLASTX:Maize
Start	506	End	837
GI	none	Score	166
Exons	506..610, 507..665, 507..671, 718..816, 718..837		

Seq. No.	29012	Seq. ID	OJ000150_35.0225.C15
Gene No.	59870	Strand	-
Start	345	End	558
Name	OJ000150_35.0225.C15.o1.gs	Method	GENSCAN
Start	345	End	558
GI	none	Score	.83
Exons	345..558		

Seq. No.	29013	Seq. ID	OJ000150_35.0225.C16
Gene No.	59871	Strand	+
Start	183	End	475
Name	OJ000150_35.0225.C16.o1.gp	Method	AAT/GAP
Start	183	End	475
GI	63359_1.R1084	Score	556
Exons	183..475		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	29013	Seq. ID	OJ000150_35.0225.C16
Gene No.	59871	Strand	+
Start	183	End	475
Name	OJ000150_35.0225.C16.o1.gs	Method	GENSCAN
Start	194	End	340
GI	none	Score	.68
Exons	194..229, 292..340		

Seq. No.	29014	Seq. ID	OJ000150_35.0225.C17
Gene No.	59872	Strand	-
Start	156	End	549
Name	OJ000150_35.0225.C17.o1.gs	Method	GENSCAN
Start	156	End	471
GI	none	Score	.49
Exons	156..471		

Seq. No.	29014	Seq. ID	OJ000150_35.0225.C17
Gene No.	59872	Strand	-
Start	156	End	549
Name	OJ000150_35.0225.C17.o1.np	Method	AAT/NAP
Start	159	End	549
GI	5803259	Score	581
Exons	159..549		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	29015	Seq. ID	OJ000150_35.0225.C18
Gene No.	59873	Strand	+
Start	67	End	237
Name	OJ000150_35.0225.C18.o1.gs	Method	GENSCAN
Start	67	End	237
GI	none	Score	.88
Exons	67..237		

Seq. No.	29015	Seq. ID	OJ000150_35.0225.C18
Gene No.	59874	Strand	-
Start	366	End	513
Name	OJ000150_35.0225.C18.o1.np	Method	AAT/NAP
Start	366	End	513
GI	5758858	Score	77
Exons	366..513		
GI Descrip.	(AF168890) ATP synthase beta subunit [Calathea loeseneri]		

Seq. No.	29016	Seq. ID	OJ000150_35.0225.C19
Gene No.	59875	Strand	-
Start	1	End	837
Name	OJ000150_35.0225.C19.o1.np	Method	AAT/NAP
Start	1	End	837
GI	4490714	Score	291
Exons	1..122, 475..584, 694..837		
GI Descrip.	(AL035680) kinesin-related protein katB [Arabidopsis thaliana]		

Seq. No.	29016	Seq. ID	OJ000150_35.0225.C19
Gene No.	59875	Strand	-
Start	1	End	837
Name	OJ000150_35.0225.C19.o1.tc	Method	TBLASTX:Cress
Start	74	End	836
GI	none	Score	63
Exons	74..130, 75..125, 457..585, 467..574, 689..790, 693..767, 762..836, 770..835		

Seq. No.	29016	Seq. ID	OJ000150_35.0225.C19
Gene No.	59875	Strand	-
Start	1	End	837
Name	OJ000150_35.0225.C19.o1.ts	Method	TBLASTX:Soybean
Start	74	End	781
GI	none	Score	62
Exons	74..130, 75..125, 451..570, 457..585, 467..574, 474..578, 689..781		

Seq. No.	29016	Seq. ID	OJ000150_35.0225.C19
Gene No.	59875	Strand	-
Start	1	End	837
Name	OJ000150_35.0225.C19.o1.gs	Method	GENSCAN
Start	475	End	584
GI	none	Score	.71
Exons	475..584		

Seq. No.	29017	Seq. ID	OJ000150_35.0225.C20
Gene No.	59876	Strand	-
Start	1	End	513
Name	OJ000150_35.0225.C20.o1.np	Method	AAT/NAP

Start	1	End	513
GI	6498441	Score	613
Exons	1..513		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	29018	Seq. ID	OJ000150_35.0225.C22
Gene No.	59877	Strand	-
Start	1	End	587
Name	OJ000150_35.0225.C22.o1.np	Method	AAT/NAP
Start	1	End	587
GI	6721517	Score	475
Exons	1..151, 200..587		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	29018	Seq. ID	OJ000150_35.0225.C22
Gene No.	59877	Strand	-
Start	1	End	587
Name	OJ000150_35.0225.C22.o1.tw	Method	TBLASTX:Wheat
Start	11	End	226
GI	none	Score	109
Exons	11..142, 12..128, 161..226		

Seq. No.	29018	Seq. ID	OJ000150_35.0225.C22
Gene No.	59877	Strand	-
Start	1	End	587
Name	OJ000150_35.0225.C22.o1.gs	Method	GENSCAN
Start	46	End	523
GI	none	Score	.91
Exons	46..523		

Seq. No.	29019	Seq. ID	OJ000150_35.0225.C24
Gene No.	59878	Strand	+
Start	1	End	563
Name	OJ000150_35.0225.C24.o1.np	Method	AAT/NAP
Start	1	End	563
GI	1170620	Score	197
Exons	1..82, 221..362, 472..563		
GI Descrip.	KINESIN-LIKE PROTEIN B gi|1084341|pir||S48019 kinesin-related protein katB - Arabidopsis thaliana gi|1438842|dbj|BAA04673| (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	29019	Seq. ID	OJ000150_35.0225.C24
Gene No.	59878	Strand	+
Start	1	End	563
Name	OJ000150_35.0225.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	506
GI	none	Score	88
Exons	2..82, 7..84, 220..273, 221..277, 278..367, 295..390, 471..506		

Seq. No.	29019	Seq. ID	OJ000150_35.0225.C24
Gene No.	59878	Strand	+
Start	1	End	563
Name	OJ000150_35.0225.C24.o1.gs	Method	GENSCAN
Start	221	End	362

GI	none	Score	.8
Exons	221..362		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59879	Strand	+
Start	1	End	1378
Name	OJ000150_35.0225.C26.o1.np	Method	AAT/NAP
Start	1	End	210
GI	6721562	Score	79
Exons	1..82, 138..210		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59879	Strand	+
Start	1	End	1378
Name	OJ000150_35.0225.C26.o2.np	Method	AAT/NAP
Start	1	End	385
GI	5042454	Score	120
Exons	1..78, 332..385		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59879	Strand	+
Start	1	End	1378
Name	OJ000150_35.0225.C26.o1.gs	Method	GENSCAN
Start	22	End	1378
GI	none	Score	.67
Exons	22..78, 332..506, 1200..1378		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59880	Strand	+
Start	3709	End	7445
Name	OJ000150_35.0225.C26.o2.gs	Method	GENSCAN
Start	3709	End	7445
GI	none	Score	.79
Exons	3709..3829, 5009..5175, 5360..5560, 6263..6422, 6520..6733, 6951..7074, 7179..7445		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59880	Strand	+
Start	3709	End	7445
Name	OJ000150_35.0225.C26.o4.np	Method	AAT/NAP
Start	3712	End	7167
GI	1332411	Score	455
Exons	3712..3829, 5009..5175, 5360..5560, 6263..6434, 6550..6730, 6951..7167		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59881	Strand	-
Start	2642	End	5744
Name	OJ000150_35.0225.C26.o3.np	Method	AAT/NAP
Start	2642	End	5744

GI	6562752	Score	85
Exons	2642..3051, 5718..5744		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59881	Strand	-
Start	2642	End	5744
Name	OJ000150_35.0225.C26.o1.tm	Method	TBLASTX:Maize
Start	3696	End	5437
GI	none	Score	164
Exons	3696..3827, 3721..3828, 4987..5175, 4992..5177, 5008..5175, 5009..5176, 5333..5437		

Seq. No.	29020	Seq. ID	OJ000150_35.0225.C26
Gene No.	59881	Strand	-
Start	2642	End	5744
Name	OJ000150_35.0225.C26.o1.tw	Method	TBLASTX:Wheat
Start	3741	End	5473
GI	none	Score	125
Exons	3741..3827, 3742..3828, 3759..3830, 5008..5184, 5008..5157, 5357..5470, 5357..5473		

Seq. No.	29021	Seq. ID	OJ000150_35.0225.C27
Gene No.	59882	Strand	
Start	3	End	337
Name	OJ000150_35.0225.C27.o1.tw	Method	TBLASTX:Wheat
Start	3	End	199
GI	none	Score	34
Exons	3..47, 4..27, 4..51, 40..168, 59..169, 163..198, 164..199		

Seq. No.	29021	Seq. ID	OJ000150_35.0225.C27
Gene No.	59882	Strand	
Start	3	End	337
Name	OJ000150_35.0225.C27.o1.ts	Method	TBLASTX:Soybean
Start	37	End	337
GI	4397580	Score	118
Exons	37..336, 59..166, 221..337		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	29022	Seq. ID	OJ000150_35.0225.C28
Gene No.	59883	Strand	+
Start	159	End	428
Name	OJ000150_35.0225.C28.o1.gs	Method	GENSCAN
Start	159	End	428
GI	none	Score	.95
Exons	159..239, 285..428		

Seq. No.	29022	Seq. ID	OJ000150_35.0225.C28
Gene No.	59884	Strand	-
Start	56	End	224
Name	OJ000150_35.0225.C28.o1.gp	Method	AAT/GAP
Start	56	End	224
GI	25545_1.R1084	Score	312
Exons	56..224		

GI Descrip. '1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'

Seq. No.	29023	Seq. ID	OJ000150_35.0225.C29
Gene No.	59885	Strand	+
Start	148	End	594
Name	OJ000150_35.0225.C29.o1.gs	Method	GENSCAN
Start	148	End	594
GI	none	Score	.5
Exons	148..196, 458..594		

Seq. No.	29024	Seq. ID	OJ000150_35.0225.C30
Gene No.	59886	Strand	+
Start	151	End	3323
Name	OJ000150_35.0225.C30.o1.gp	Method	AAT/GAP
Start	151	End	534
GI	uC-osflcyp033a04b1	Score	669
Exons	151..534		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	29024	Seq. ID	OJ000150_35.0225.C30
Gene No.	59886	Strand	+
Start	151	End	3323
Name	OJ000150_35.0225.C30.o1.gs	Method	GENSCAN
Start	256	End	3244
GI	none	Score	.74
Exons	256..321, 441..486, 1291..1816, 1959..2357, 2455..3244		

Seq. No.	29024	Seq. ID	OJ000150_35.0225.C30
Gene No.	59886	Strand	+
Start	151	End	3323
Name	OJ000150_35.0225.C30.o3.np	Method	AAT/NAP
Start	337	End	3323
GI	5803259	Score	3053
Exons	337..483, 1241..2357, 2455..3323		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	29024	Seq. ID	OJ000150_35.0225.C30
Gene No.	59887	Strand	-
Start	80	End	2033
Name	OJ000150_35.0225.C30.o1.np	Method	AAT/NAP
Start	80	End	2033
GI	4680186	Score	221
Exons	80..284, 2013..2033		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	29024	Seq. ID	OJ000150_35.0225.C30
Gene No.	59887	Strand	-
Start	80	End	2033
Name	OJ000150_35.0225.C30.o2.np	Method	AAT/NAP
Start	342	End	436
GI	5852180	Score	30

Exons	342..436		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	29025	Seq. ID	OJ000150_35.0225.C31
Gene No.	59888	Strand	+
Start	1	End	566
Name	OJ000150_35.0225.C31.o1.np	Method	AAT/NAP
Start	1	End	563
GI	5803259	Score	814
Exons	1..563		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	29025	Seq. ID	OJ000150_35.0225.C31
Gene No.	59888	Strand	+
Start	1	End	566
Name	OJ000150_35.0225.C31.o1.gs	Method	GENSCAN
Start	45	End	566
GI	none	Score	.65
Exons	45..566		
Seq. No.	29025	Seq. ID	OJ000150_35.0225.C31
Gene No.	59889	Strand	-
Start	1209	End	1315
Name	OJ000150_35.0225.C31.o2.np	Method	AAT/NAP
Start	1209	End	1315
GI	6498441	Score	85
Exons	1209..1315		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o1.gs	Method	GENSCAN
Start	219	End	7788
GI	none	Score	.6
Exons	219..665, 675..3746, 3765..3947, 4026..6392, 6449..6553, 6913..7002, 7705..7788		
Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o1.np	Method	AAT/NAP
Start	222	End	5869
GI	6498441	Score	6902
Exons	222..503, 597..1994, 2166..2462, 2655..3081, 3256..3390, 3574..3947, 4011..4474, 4805..5869		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o6.tw	Method	TBLASTX:Wheat
Start	231	End	833

GI	none	Score	74
Exons	231..356, 235..357, 531..833, 550..828		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o4.tw	Method	TBLASTX:Wheat
Start	834	End	5463
GI	none	Score	169
Exons	834..1214, 865..1113, 873..1214, 1159..1215, 5383..5463		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o3.tm	Method	TBLASTX:Maize
Start	990	End	1352
GI	none	Score	192
Exons	990..1037, 1029..1352, 1042..1323		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o8.tw	Method	TBLASTX:Wheat
Start	1545	End	1857
GI	none	Score	60
Exons	1545..1805, 1759..1857		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o5.tw	Method	TBLASTX:Wheat
Start	1860	End	2422
GI	none	Score	88
Exons	1860..2009, 1861..1998, 1863..2000, 2044..2229, 2070..2279, 2070..2294, 2402..2422		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o1.ts	Method	TBLASTX:Soybean
Start	2919	End	3290
GI	none	Score	89
Exons	2919..3290, 3130..3273		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o2.tw	Method	TBLASTX:Wheat
Start	2949	End	3369
GI	none	Score	310
Exons	2949..3368, 2956..3369		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o2.tm	Method	TBLASTX:Maize
Start	3042	End	3426

GI	none	Score	226
Exons	3042..3425, 3061..3426		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o1.tm	Method	TBLASTX:Maize
Start	3453	End	3809
GI	none	Score	133
Exons	3453..3758, 3453..3809, 3463..3774		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o1.tw	Method	TBLASTX:Wheat
Start	3477	End	3940
GI	none	Score	219
Exons	3477..3938, 3483..3938, 3484..3939, 3497..3940		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o2.ts	Method	TBLASTX:Soybean
Start	3534	End	3899
GI	none	Score	111
Exons	3534..3668, 3675..3899		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o3.tw	Method	TBLASTX:Wheat
Start	4131	End	4590
GI	none	Score	175
Exons	4131..4589, 4135..4395, 4453..4590		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o4.tm	Method	TBLASTX:Maize
Start	5430	End	5715
GI	none	Score	108
Exons	5430..5678, 5431..5715		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o7.tw	Method	TBLASTX:Wheat
Start	5464	End	5720
GI	none	Score	77
Exons	5464..5601, 5466..5585, 5568..5666, 5569..5661, 5673..5720		

Seq. No.	29026	Seq. ID	OJ000150_35.0225.C32
Gene No.	59890	Strand	-
Start	219	End	7850
Name	OJ000150_35.0225.C32.o2.np	Method	AAT/NAP
Start	6606	End	7850
GI	5042454	Score	216

Exons	6606..6659, 6913..7096, 7775..7850		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59891	Strand	+
Start	188	End	495
Name	OJ000150_35.0225.C33.o1.gs	Method	GENSCAN
Start	188	End	495
GI	none	Score	.83
Exons	188..401, 434..495		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o2.gs	Method	GENSCAN
Start	1331	End	8620
GI	none	Score	.89
Exons	1331..1478, 1593..1806, 1963..2122, 2251..2454, 2631..2797, 3239..3424, 5392..5516, 6198..6311, 6408..6645, 6947..7106, 7653..7853, 7967..8133, 8500..8620		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o2.tm	Method	TBLASTX:Maize
Start	1337	End	6455
GI	none	Score	136
Exons	1337..1459, 1338..1460, 1349..1462, 6170..6292, 6171..6293, 6176..6313, 6178..6297, 6403..6438, 6408..6455, 6408..6452, 6410..6454		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.gp	Method	AAT/GAP
Start	1342	End	1700
GI	2797550	Score	444
Exons	1342..1478, 1593..1700		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.ts	Method	TBLASTX:Soybean
Start	1400	End	6613
GI	none	Score	54
Exons	1400..1477, 1401..1475, 1592..1765, 1596..1763, 6233..6310, 6410..6499, 6548..6613		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.tc	Method	TBLASTX:Cress
Start	2326	End	8629
GI	none	Score	84
Exons	2326..2457, 2631..2798, 3240..3314, 3303..3359, 7725..7856, 7967..8122, 8501..8629		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.tm	Method	TBLASTX:Maize
Start	2329	End	8092
GI	none	Score	156
Exons	2329..2457, 2333..2455, 2631..2753, 2631..2756, 7716..7856, 7735..7854, 7967..8092, 7967..8092		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.tw	Method	TBLASTX:Wheat
Start	2339	End	8588
GI	none	Score	109
Exons	2339..2446, 2344..2457, 2344..2457, 2450..2488, 2634..2798, 2649..2798, 3234..3326, 3235..3327, 7741..7836, 7743..7856, 7959..8141, 7975..8133, 7985..8164, 7991..8134, 8496..8582, 8501..8587, 8502..8588		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o1.np	Method	AAT/NAP
Start	6158	End	8632
GI	6689826	Score	643
Exons	6158..6311, 6411..6645, 6947..7106, 7653..7853, 7967..8133, 8500..8632		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	29027	Seq. ID	OJ000150_35.0225.C33
Gene No.	59892	Strand	-
Start	1331	End	8745
Name	OJ000150_35.0225.C33.o2.gp	Method	AAT/GAP
Start	7752	End	8745
GI	17023_1.R1084	Score	861
Exons	7752..7853, 7967..8133, 8500..8745		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59893	Strand	-
Start	758	End	6173
Name	OJ000150_35.0225.C34.o1.gs	Method	GENSCAN
Start	758	End	6125
GI	none	Score	.89
Exons	758..1207, 1242..1368, 1505..1640, 3149..3270, 3371..3608, 4018..4177, 5042..5242, 5496..5633, 6003..6125		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59893	Strand	-
Start	758	End	6173
Name	OJ000150_35.0225.C34.o1.np	Method	AAT/NAP
Start	758	End	1274
GI	2347189	Score	154
Exons	758..1274		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59893	Strand	-
Start	758	End	6173
Name	OJ000150_35.0225.C34.o3.np	Method	AAT/NAP
Start	3065	End	6173
GI	1706370	Score	317
Exons	3065..3270, 3371..3608, 4018..4177, 5042..5242, 5496..5662, 6003..6173		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi|1067127|emb|CAA91924| (Z67983) dihydroflavonol 4-reductase [Dianthus caryophyllus]		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59893	Strand	-
Start	758	End	6173
Name	OJ000150_35.0225.C34.o2.np	Method	AAT/NAP
Start	3109	End	6137
GI	6689826	Score	570
Exons	3109..3270, 3374..3608, 4018..4177, 5042..5242, 5496..5662, 6003..6137		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59894	Strand	-
Start	7358	End	8391
Name	OJ000150_35.0225.C34.o2.tm	Method	TBLASTX:Maize
Start	989	End	1195
GI	none	Score	80
Exons	989..1099, 1002..1076, 1034..1084, 1100..1195, 1101..1187, 1112..1195		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59894	Strand	-
Start	7358	End	8391
Name	OJ000150_35.0225.C34.o1.tm	Method	TBLASTX:Maize
Start	5165	End	6138
GI	none	Score	208
Exons	5165..5245, 5452..5670, 5496..5663, 5995..6051, 5999..6049, 6051..6137, 6055..6138		

Seq. No.	29028	Seq. ID	OJ000150_35.0225.C34
Gene No.	59894	Strand	-
Start	7358	End	8391
Name	OJ000150_35.0225.C34.o2.gs	Method	GENSCAN
Start	7358	End	8391
GI	none	Score	.58
Exons	7358..7575, 7602..7968, 8329..8391		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59895	Strand	+
Start	435	End	1648
Name	OJ000150_35.0225.C35.o2.np	Method	AAT/NAP
Start	435	End	1648
GI	6721543	Score	90
Exons	435..563, 1214..1289, 1608..1648		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59896	Strand	-
Start	181	End	281
Name	OJ000150_35.0225.C35.o1.np	Method	AAT/NAP
Start	181	End	281
GI	5777617	Score	80
Exons	181..281		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59897	Strand	-
Start	1073	End	4567
Name	OJ000150_35.0225.C35.o1.gp	Method	AAT/GAP
Start	795	End	1248
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	795..1248		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59897	Strand	-
Start	1073	End	4567
Name	OJ000150_35.0225.C35.o1.gs	Method	GENSCAN
Start	1073	End	4234
GI	none	Score	.65
Exons	1073..1233, 1384..1586, 1591..1638, 1702..1833, 2080..2177, 2204..2329, 2422..2628, 2807..3058, 3149..3559, 3734..3980, 4086..4234		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59897	Strand	-
Start	1073	End	4567
Name	OJ000150_35.0225.C35.o3.np	Method	AAT/NAP
Start	1352	End	4567
GI	5441880	Score	2399
Exons	1352..1586, 1702..1833, 2080..2177, 2422..2680, 2760..3058, 3644..3980, 4086..4244, 4525..4567		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29029	Seq. ID	OJ000150_35.0225.C35
Gene No.	59897	Strand	-
Start	1073	End	4567
Name	OJ000150_35.0225.C35.o2.gp	Method	AAT/GAP
Start	2430	End	2932
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	2430..2680, 2760..2932		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	29030	Seq. ID	OJ000150_35.0225.C36
Gene No.	59898	Strand	-
Start	1	End	2214
Name	OJ000150_35.0225.C36.o1.np	Method	AAT/NAP

Start	1	End	2214
GI	5441880	Score	1363
Exons	1..243, 804..1118, 1377..1408, 1853..2214		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29030	Seq. ID	OJ000150_35.0225.C36
Gene No.	59898	Strand	-
Start	1	End	2214
Name	OJ000150_35.0225.C36.o1.tw	Method	TBLASTX:Wheat
Start	1623	End	2003
GI	none	Score	79
Exons	1623..1799, 1653..1799, 1684..1803, 1797..1994, 1809..2003		

Seq. No.	29030	Seq. ID	OJ000150_35.0225.C36
Gene No.	59898	Strand	-
Start	1	End	2214
Name	OJ000150_35.0225.C36.o1.tm	Method	TBLASTX:Maize
Start	1701	End	2135
GI	none	Score	145
Exons	1701..1772, 1836..2135, 1897..2118		

Seq. No.	29030	Seq. ID	OJ000150_35.0225.C36
Gene No.	59898	Strand	-
Start	1	End	2214
Name	OJ000150_35.0225.C36.o1.gp	Method	AAT/GAP
Start	1823	End	2214
GI	5701669	Score	698
Exons	1823..2214		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59899	Strand	+
Start	2047	End	2211
Name	OJ000150_35.0225.C37.o2.gp	Method	AAT/GAP
Start	2047	End	2211
GI	7406_1.R1084	Score	225
Exons	2047..2211		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59900	Strand	+
Start	9019	End	9090
Name	OJ000150_35.0225.C37.o5.gp	Method	AAT/GAP
Start	9019	End	9090
GI	uC-osf1M202097d10b1	Score	101
Exons	9019..9090		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59901	Strand	+
Start	11719	End	18054

Name	OJ000150_35.0225.C37.o4.gs	Method	GENSCAN
Start	11719	End	18054
GI	none	Score	.57
Exons	11719..11725, 11760..12017, 13247..17407, 17795..18054		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59901	Strand	+
Start	11719	End	18054
Name	OJ000150_35.0225.C37.o4.np	Method	AAT/NAP
Start	13255	End	17424
GI	4234852	Score	4441
Exons	13255..13415, 13458..17424		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59902	Strand	+
Start	27112	End	28548
Name	OJ000150_35.0225.C37.o7.gs	Method	GENSCAN
Start	27112	End	28548
GI	none	Score	.89
Exons	27112..27517, 28430..28548		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59903	Strand	+
Start	31216	End	35325
Name	OJ000150_35.0225.C37.o7.np	Method	AAT/NAP
Start	30009	End	35325
GI	1170619	Score	1299
Exons	30009..30090, 31498..31649, 31830..31939, 32049..32168, 32256..32463, 32554..32759, 32835..32909, 32992..33138, 33277..33418, 33528..33637, 33990..34148, 34226..34428, 34716..34797, 34953..35057, 35139..35325		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59903	Strand	+
Start	31216	End	35325
Name	OJ000150_35.0225.C37.o9.gp	Method	AAT/GAP
Start	30734	End	31096
GI	63359_1.R1084	Score	645
Exons	30734..31096		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59903	Strand	+
Start	31216	End	35325
Name	OJ000150_35.0225.C37.o8.gs	Method	GENSCAN
Start	31216	End	35243
GI	none	Score	.9
Exons	31216..31416, 31505..31649, 31830..31939, 32049..32168, 32256..32459, 32550..32759, 32835..32909, 32992..33138, 33277..33418, 33528..33637, 33990..34148, 34387..34428,		

34953..35057, 35139..35243

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59903	Strand	+
Start	31216	End	35325
Name	OJ000150_35.0225.C37.o10.gp	Method	AAT/GAP
Start	31222	End	32087
GI	uC-osf1M202097d05b1	Score	874
Exons	31222..31416, 31505..31649, 31830..31939, 32049..32087		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59903	Strand	+
Start	31216	End	35325
Name	OJ000150_35.0225.C37.o11.gp	Method	AAT/GAP
Start	35015	End	35243
GI	25545_1.R1084	Score	253
Exons	35015..35057, 35139..35243		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59904	Strand	-
Start	1	End	2225
Name	OJ000150_35.0225.C37.o1.np	Method	AAT/NAP
Start	1	End	1155
GI	5441880	Score	1731
Exons	1..1155		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59904	Strand	-
Start	1	End	2225
Name	OJ000150_35.0225.C37.o1.gp	Method	AAT/GAP
Start	119	End	550
GI	5701669	Score	833
Exons	119..550		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59904	Strand	-
Start	1	End	2225
Name	OJ000150_35.0225.C37.o1.gs	Method	GENSCAN
Start	149	End	1326
GI	none	Score	.48

Exons	149..250, 332..627, 686..1326		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59904	Strand	-
Start	1	End	2225
Name	OJ000150_35.0225.C37.o2.np	Method	AAT/NAP
Start	1168	End	2225
GI	6721543	Score	162
Exons	1168..1284, 2097..2225		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59905	Strand	-
Start	3096	End	10323
Name	OJ000150_35.0225.C37.o2.gs	Method	GENSCAN
Start	3096	End	5847
GI	none	Score	.83
Exons	3096..3260, 3262..3452, 4085..4143, 4265..4399, 4475..4694, 4808..4967, 5065..5274, 5358..5533, 5724..5847		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59905	Strand	-
Start	3096	End	10323
Name	OJ000150_35.0225.C37.o3.gp	Method	AAT/GAP
Start	4068	End	4716
GI	33857_1.R1084	Score	901
Exons	4068..4399, 4475..4716		
GI Descrip.	'4508073/gb|AAD21417.1| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59905	Strand	-
Start	3096	End	10323
Name	OJ000150_35.0225.C37.o3.np	Method	AAT/NAP
Start	4243	End	10171
GI	6689826	Score	598
Exons	4243..4407, 4489..4683, 4797..4968, 8642..8855, 9603..9769, 10039..10171		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59905	Strand	-
Start	3096	End	10323
Name	OJ000150_35.0225.C37.o4.gp	Method	AAT/GAP
Start	5409	End	5956
GI	uC-osflcyp017f04b1	Score	612
Exons	5409..5533, 5724..5956		
GI Descrip.	'4508073/gb|AAD21417.1| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59905	Strand	-
Start	3096	End	10323
Name	OJ000150_35.0225.C37.o3.gs	Method	GENSCAN
Start	7536	End	10323
GI	none	Score	.97
Exons	7536..7689, 7772..7991, 8385..8544, 8637..8855, 9603..9769,		

10039..10189, 10228..10323

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59906	Strand	-
Start	18126	End	20531
Name	OJ000150_35.0225.C37.o5.np	Method	AAT/NAP
Start	18120	End	20528
GI	6689826	Score	528
Exons	18120..18254, 18348..18642, 18745..18880, 19175..19358, 20067..20233, 20397..20528		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59906	Strand	-
Start	18126	End	20531
Name	OJ000150_35.0225.C37.o5.gs	Method	GENSCAN
Start	18126	End	20517
GI	none	Score	.94
Exons	18126..18276, 18367..18601, 18704..18845, 19149..19358, 20067..20233, 20397..20517		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59906	Strand	-
Start	18126	End	20531
Name	OJ000150_35.0225.C37.o6.gp	Method	AAT/GAP
Start	20075	End	20531
GI	17023_1.R1084	Score	418
Exons	20075..20233, 20397..20531		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o5.tw	Method	TBLASTX:Wheat
Start	63	End	299
GI	none	Score	98
Exons	63..95, 93..290, 105..299		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o5.tm	Method	TBLASTX:Maize
Start	132	End	593
GI	none	Score	145
Exons	132..431, 193..414, 465..593, 487..585		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o7.ts	Method	TBLASTX:Soybean
Start	4318	End	18569
GI	none	Score	97
Exons	4318..4383, 4486..4641, 4490..4642, 7608..7673, 7783..7875, 7873..7950, 18201..18269, 18378..18458, 18492..18569		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37

Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o11.tm	Method	TBLASTX:Maize
Start	4522	End	18836
GI	none	Score	75
Exons	4522..4641, 4523..4630, 4543..4656, 4553..4699, 4645..4698, 4800..4940, 4801..4938, 7838..7864, 7839..7865, 7879..7971, 7883..7969, 8380..8517, 8381..8485, 18412..18459, 18414..18458, 18495..18602, 18495..18629, 18496..18618, 18696..18824, 18699..18836, 18700..18834		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o9.ts	Method	TBLASTX:Soybean
Start	4800	End	20497
GI	none	Score	80
Exons	4800..4967, 5074..5133, 5164..5277, 5391..5483, 5731..5820, 5732..5824, 8359..8544, 8646..8705, 8730..8858, 9603..9719, 10043..10132, 10047..10175, 18762..18863, 19233..19361, 20067..20183, 20401..20490, 20405..20497		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o9.tm	Method	TBLASTX:Maize
Start	5154	End	20192
GI	none	Score	132
Exons	5154..5276, 5161..5277, 5191..5277, 5355..5492, 5391..5492, 5392..5505, 5487..5516, 5488..5517, 8715..8858, 8716..8856, 8718..8885, 9597..9725, 9603..9740, 19221..19361, 19225..19359, 19227..19361, 20067..20192, 20071..20190		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o4.tw	Method	TBLASTX:Wheat
Start	5159	End	20485
GI	none	Score	108
Exons	5159..5248, 5161..5277, 5191..5277, 5391..5534, 5391..5534, 5719..5811, 5720..5812, 8745..8858, 8746..8832, 9606..9773, 9621..9770, 10034..10126, 10035..10127, 19248..19361, 19249..19332, 20067..20225, 20071..20226, 20085..20231, 20392..20484, 20393..20485		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o4.tc	Method	TBLASTX:Cress
Start	5164	End	20499
GI	none	Score	64
Exons	5164..5277, 5379..5534, 5725..5832, 8727..8858, 8746..8829, 9597..9821, 9603..9773, 10040..10168, 19230..19361, 20067..20234, 20071..20241, 20398..20472, 20461..20499		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-

Start	21234	End	26099
Name	OJ000150_35.0225.C37.o1.tm	Method	TBLASTX:Maize
Start	13347	End	14358
GI	none	Score	586
Exons	13347..13925, 13348..13956, 13966..14097, 14037..14078, 14202..14252, 14293..14358		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o6.tw	Method	TBLASTX:Wheat
Start	14278	End	14715
GI	none	Score	110
Exons	14278..14475, 14545..14715		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o2.ts	Method	TBLASTX:Soybean
Start	14572	End	14958
GI	none	Score	344
Exons	14572..14958, 14583..14789		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o2.tw	Method	TBLASTX:Wheat
Start	14734	End	15396
GI	none	Score	252
Exons	14734..14973, 14748..14972, 15013..15318, 15036..15296, 15297..15371, 15298..15396		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o10.tm	Method	TBLASTX:Maize
Start	14749	End	15207
GI	none	Score	128
Exons	14749..14973, 15022..15207, 15024..15185		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o5.tc	Method	TBLASTX:Cress
Start	15013	End	15393
GI	none	Score	123
Exons	15013..15213, 15226..15393		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o6.ts	Method	TBLASTX:Soybean
Start	15013	End	15399
GI	none	Score	186
Exons	15013..15222, 15015..15194, 15226..15399		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37

Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o1.ts	Method	TBLASTX:Soybean
Start	15910	End	16347
GI	5509260	Score	365
Exons	15910..16347, 15999..16271, 16314..16346		
GI Descrip.	-		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o3.tc	Method	TBLASTX:Cress
Start	15997	End	16257
GI	none	Score	249
Exons	15997..16257, 15999..16235		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o1.tw	Method	TBLASTX:Wheat
Start	16038	End	16818
GI	none	Score	359
Exons	16038..16385, 16039..16383, 16039..16392, 16368..16814, 16378..16818		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o7.tm	Method	TBLASTX:Maize
Start	16039	End	16482
GI	none	Score	275
Exons	16039..16347, 16056..16346, 16381..16482		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o6.tm	Method	TBLASTX:Maize
Start	16483	End	16914
GI	none	Score	81
Exons	16483..16644, 16618..16914, 16758..16913		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o5.ts	Method	TBLASTX:Soybean
Start	16804	End	17370
GI	none	Score	131
Exons	16804..16986, 16999..17190, 17179..17370		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o14.tm	Method	TBLASTX:Maize
Start	16927	End	17385
GI	none	Score	55
Exons	16927..16986, 16969..17145, 17194..17385		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o3.tw	Method	TBLASTX:Wheat
Start	16974	End	17373
GI	none	Score	278
Exons	16974..17207, 16978..17373		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o7.gp	Method	AAT/GAP
Start	21234	End	21696
GI	2442924	Score	560
Exons	21234..21509, 21656..21696		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o6.np	Method	AAT/NAP
Start	21363	End	26080
GI	4850399	Score	1597
Exons	21363..21509, 21656..21763, 21862..21921, 21955..21993, 22090..22502, 22572..22776, 22831..22956, 23450..23503, 23587..23661, 23757..23816, 24150..24254, 24524..24577, 24667..24816, 24921..25053, 25121..25245, 25374..25550, 25682..26080		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o3.tm	Method	TBLASTX:Maize
Start	21716	End	24738
GI	none	Score	110
Exons	21716..21763, 21856..21963, 21861..22019, 21863..21970, 22086..22319, 22089..22319, 22389..22457, 22470..22574, 22486..22569, 22496..22573, 22564..22776, 22573..22779, 22575..22778, 22843..22953, 22844..22954, 22853..22954, 22878..22958, 23415..23504, 23447..23506, 23451..23504, 23584..23682, 23587..23661, 23754..23822, 23757..23822, 24150..24248, 24151..24246, 24424..24474, 24521..24580, 24522..24578, 24523..24579, 24667..24738, 24674..24736		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o6.gs	Method	GENSCAN
Start	22012	End	26092
GI	none	Score	.8
Exons	22012..22803, 22855..22956, 24524..24577, 24667..24816, 24921..25053, 25121..25245, 25374..25550, 25682..26092		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-

Start	21234	End	26099
Name	OJ000150_35.0225.C37.o8.gp	Method	AAT/GAP
Start	22508	End	22944
GI	427365	Score	681
Exons	22508..22776, 22855..22944		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o10.ts	Method	TBLASTX:Soybean
Start	22852	End	23789
GI	none	Score	117
Exons	22852..22953, 22853..22957, 23450..23506, 23453..23503, 23584..23682, 23587..23661, 23754..23789		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o12.tm	Method	TBLASTX:Maize
Start	24957	End	25248
GI	none	Score	101
Exons	24957..25052, 24965..25051, 25011..25055, 25018..25056, 25090..25248, 25094..25243, 25119..25247, 25120..25248		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o4.ts	Method	TBLASTX:Soybean
Start	25111	End	25491
GI	none	Score	93
Exons	25111..25260, 25121..25243, 25374..25490, 25390..25491		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o2.tc	Method	TBLASTX:Cress
Start	25691	End	26023
GI	none	Score	114
Exons	25691..25861, 25892..26023		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59907	Strand	-
Start	21234	End	26099
Name	OJ000150_35.0225.C37.o13.tm	Method	TBLASTX:Maize
Start	25934	End	26099
GI	none	Score	93
Exons	25934..26098, 25986..26099		

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o2.tm	Method	TBLASTX:Maize
Start	31279	End	33647
GI	none	Score	129
Exons	31279..31416, 31287..31409, 31502..31648, 31504..31650,		

31504..31629, 31829..31942, 31829..31924, 32047..32166,
32049..32177, 32102..32170, 32250..32456, 32255..32461,
32256..32465, 32512..32730, 32529..32759, 32555..32761,
32556..32813, 32824..32865, 32830..32892, 32834..32896,
32834..32938, 32986..33093, 32991..33092, 33085..33141,
33094..33138, 33276..33335, 33277..33420, 33372..33425,
33518..33562, 33526..33561, 33582..33599, 33597..33647

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o1.tc	Method	TBLASTX:Cress
Start	32265	End	35243
GI	none	Score	159

Exons 32265..32462, 32270..32398, 32556..32759, 32834..32908,
32989..33138, 32994..33140, 33277..33333, 33322..33420,
33502..33645, 33518..33655, 33551..33661, 33987..34052,
34047..34157, 34058..34150, 34220..34300, 34222..34269,
34301..34429, 34710..34796, 34711..34797, 34946..35053,
34950..35057, 35136..35243, 35138..35236

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o8.ts	Method	TBLASTX:Soybean
Start	32291	End	32672
GI	none	Score	120

Exons 32291..32401, 32292..32465, 32556..32672, 32561..32671

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o3.ts	Method	TBLASTX:Soybean
Start	33331	End	34435
GI	none	Score	65

Exons 33331..33423, 33527..33655, 33534..33638, 33538..33645,
33542..33661, 33969..34046, 33987..34067, 34047..34157,
34064..34150, 34220..34273, 34222..34266, 34310..34435,
34312..34431

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o4.tm	Method	TBLASTX:Maize
Start	33961	End	34296
GI	none	Score	261

Exons 33961..34146, 33987..34157, 33987..34148, 34221..34295,
34221..34295, 34222..34296

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o8.tm	Method	TBLASTX:Maize
Start	34950	End	35249
GI	none	Score	146

Exons 34950..35054, 34964..35053, 34997..35059, 35135..35233,
35138..35236, 35139..35243, 35142..35249

Seq. No.	29031	Seq. ID	OJ000150_35.0225.C37
Gene No.	59908	Strand	
Start	31279	End	35249
Name	OJ000150_35.0225.C37.o11.ts	Method	TBLASTX:Soybean
Start	34956	End	35249
GI	none	Score	102
Exons	34956..35057, 35136..35249		

Seq. No.	29032	Seq. ID	OJ000150_35.0225.C38
Gene No.	59909	Strand	+
Start	252	End	521
Name	OJ000150_35.0225.C38.o1.gs	Method	GENSCAN
Start	252	End	521
GI	none	Score	.97
Exons	252..332, 378..521		

Seq. No.	29032	Seq. ID	OJ000150_35.0225.C38
Gene No.	59910	Strand	-
Start	1	End	317
Name	OJ000150_35.0225.C38.o1.gp	Method	AAT/GAP
Start	1	End	317
GI	25545_1.R1084	Score	590
Exons	1..317		
GI Descrip.	'1170619/sp|Q07970|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	29033	Seq. ID	OJ000150_35.0225.C39
Gene No.	59911	Strand	-
Start	127	End	589
Name	OJ000150_35.0225.C39.o1.gs	Method	GENSCAN
Start	127	End	589
GI	none	Score	.49
Exons	127..224, 253..589		

Seq. No.	29034	Seq. ID	OJ000150_35.0225.C40
Gene No.	59912	Strand	-
Start	61	End	143
Name	OJ000150_35.0225.C40.o1.gs	Method	GENSCAN
Start	61	End	143
GI	none	Score	.6
Exons	61..143		

Seq. No.	29035	Seq. ID	OJ000150_35.0225.C41
Gene No.	59913	Strand	+
Start	65	End	146
Name	OJ000150_35.0225.C41.o1.gs	Method	GENSCAN
Start	65	End	146
GI	none	Score	.91
Exons	65..146		

Seq. No.	29036	Seq. ID	OJ000150_35.0225.C43
Gene No.	59914	Strand	+

Start	225	End	361
Name	OJ000150_35.0225.C43.o1.gs	Method	GENSCAN
Start	225	End	361
GI	none	Score	.47
Exons	225..361		

Seq. No.	29037	Seq. ID	OJ000150_35.0225.C45
Gene No.	59915	Strand	-
Start	105	End	176
Name	OJ000150_35.0225.C45.o1.gp	Method	AAT/GAP
Start	105	End	176
GI	LIB3431-004-P1-K1-G12	Score	96
Exons	105..176		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	29038	Seq. ID	OJ000150_35.0225.C46
Gene No.	59916	Strand	+
Start	41	End	781
Name	OJ000150_35.0225.C46.o1.gs	Method	GENSCAN
Start	41	End	781
GI	none	Score	.88
Exons	41..156, 487..781		

Seq. No.	29039	Seq. ID	OJ000150_35.0225.C47
Gene No.	59917	Strand	-
Start	188	End	370
Name	OJ000150_35.0225.C47.o1.gs	Method	GENSCAN
Start	188	End	370
GI	none	Score	.93
Exons	188..370		

Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59918	Strand	+
Start	1	End	8588
Name	OJ000150_35.0225.C48.o3.np	Method	AAT/NAP
Start	1	End	8126
GI	4680183	Score	143
Exons	1..23, 8037..8126		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59918	Strand	+
Start	1	End	8588
Name	OJ000150_35.0225.C48.o1.np	Method	AAT/NAP
Start	797	End	4691
GI	6539586	Score	218
Exons	797..950, 4673..4691		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59918	Strand	+
Start	1	End	8588
Name	OJ000150_35.0225.C48.o1.gp	Method	AAT/GAP
Start	3022	End	3405
GI	uC-osflcyp033a04b1	Score	669
Exons	3022..3405		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59918	Strand	+
Start	1	End	8588
Name	OJ000150_35.0225.C48.o2.gs	Method	GENSCAN
Start	4783	End	5916
GI	none	Score	.98
Exons	4783..5916		
Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59918	Strand	+
Start	1	End	8588
Name	OJ000150_35.0225.C48.o3.gs	Method	GENSCAN
Start	6916	End	8588
GI	none	Score	.89
Exons	6916..7039, 7362..7498, 7905..8023, 8507..8588		
Seq. No.	29040	Seq. ID	OJ000150_35.0225.C48
Gene No.	59919	Strand	-
Start	1	End	3312
Name	OJ000150_35.0225.C48.o2.np	Method	AAT/NAP
Start	1	End	3312
GI	5852180	Score	659
Exons	1..35, 922..987, 1689..2101, 2153..2270, 3254..3312		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	29041	Seq. ID	OJ000150_35.0225.C49
Gene No.	59920	Strand	-
Start	1060	End	1704
Name	OJ000150_35.0225.C49.o2.tm	Method	TBLASTX:Maize
Start	1055	End	1300
GI	none	Score	40
Exons	1055..1111, 1087..1299, 1178..1300		
Seq. No.	29041	Seq. ID	OJ000150_35.0225.C49
Gene No.	59920	Strand	-
Start	1060	End	1704
Name	OJ000150_35.0225.C49.o1.gs	Method	GENSCAN
Start	1060	End	1625
GI	none	Score	.7
Exons	1060..1625		
Seq. No.	29041	Seq. ID	OJ000150_35.0225.C49
Gene No.	59920	Strand	-
Start	1060	End	1704
Name	OJ000150_35.0225.C49.o1.np	Method	AAT/NAP
Start	1063	End	1704
GI	4680179	Score	968
Exons	1063..1704		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	29041	Seq. ID	OJ000150_35.0225.C49
Gene No.	59920	Strand	-
Start	1060	End	1704
Name	OJ000150_35.0225.C49.o1.tw	Method	TBLASTX:Wheat

Start	1108	End	1530
GI	none	Score	158
Exons	1108..1530, 1109..1510		

Seq. No.	29041	Seq. ID	OJ000150_35.0225.C49
Gene No.	59920	Strand	-
Start	1060	End	1704
Name	OJ000150_35.0225.C49.o1.tm	Method	TBLASTX:Maize
Start	1300	End	1638
GI	none	Score	162
Exons	1300..1638, 1301..1561		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.np	Method	AAT/NAP
Start	1	End	4434
GI	4680179	Score	6474
Exons	1..4434		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o8.tw	Method	TBLASTX:Wheat
Start	70	End	265
GI	none	Score	79
Exons	70..264, 71..265		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.tm	Method	TBLASTX:Maize
Start	124	End	711
GI	none	Score	162
Exons	124..552, 125..385, 455..547, 550..711, 557..703, 559..705		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.gs	Method	GENSCAN
Start	133	End	4434
GI	none	Score	.83
Exons	133..4434		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.tw	Method	TBLASTX:Wheat
Start	265	End	891
GI	none	Score	379
Exons	265..891, 266..889		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o4.tm	Method	TBLASTX:Maize

Start	760	End	1051
GI	none	Score	257
Exons	760..1050, 764..1051		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o2.ts	Method	TBLASTX:Soybean
Start	850	End	1110
GI	none	Score	164
Exons	850..1110, 851..1105		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.tc	Method	TBLASTX:Cress
Start	874	End	1191
GI	none	Score	92
Exons	874..1017, 875..1015, 1018..1191		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o3.tw	Method	TBLASTX:Wheat
Start	898	End	1377
GI	none	Score	261
Exons	898..1377, 899..1153, 934..1344		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o2.tw	Method	TBLASTX:Wheat
Start	1381	End	1890
GI	none	Score	262
Exons	1381..1890, 1468..1848, 1472..1882		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o2.tm	Method	TBLASTX:Maize
Start	1455	End	1818
GI	none	Score	238
Exons	1455..1778, 1465..1818, 1472..1816		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o3.ts	Method	TBLASTX:Soybean
Start	1639	End	1884
GI	none	Score	209
Exons	1639..1884		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o3.tm	Method	TBLASTX:Maize
Start	1855	End	2355

GI	none	Score	39
Exons	1855..2190, 1901..1948, 1973..2104, 2176..2355		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o5.tw	Method	TBLASTX:Wheat
Start	1891	End	2193
GI	none	Score	243
Exons	1891..2193, 1892..2164, 1900..2190, 2115..2192		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o1.ts	Method	TBLASTX:Soybean
Start	1906	End	2301
GI	none	Score	171
Exons	1906..2265, 1907..2173, 1936..2253, 2118..2258, 2269..2301, 2273..2299		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o4.tw	Method	TBLASTX:Wheat
Start	2242	End	2724
GI	none	Score	271
Exons	2242..2724, 2285..2620		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o4.ts	Method	TBLASTX:Soybean
Start	2374	End	2688
GI	none	Score	57
Exons	2374..2688, 2375..2572		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o5.tm	Method	TBLASTX:Maize
Start	2423	End	2712
GI	none	Score	174
Exons	2423..2614, 2425..2712		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o2.np	Method	AAT/NAP
Start	2502	End	5525
GI	4539664	Score	342
Exons	2502..2640, 3273..3508, 3656..4379, 5393..5525		
GI Descrip.	(AF061282) hypothetical protein [Sorghum bicolor]		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o7.tw	Method	TBLASTX:Wheat

Start	2899	End	3300
GI	none	Score	54
Exons	2899..3072, 2930..2998, 2980..3039, 3076..3300, 3134..3286		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o7.tm	Method	TBLASTX:Maize
Start	2986	End	3262
GI	none	Score	78
Exons	2986..3261, 3161..3262		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o6.tm	Method	TBLASTX:Maize
Start	3628	End	3960
GI	none	Score	109
Exons	3628..3960, 3773..3937		

Seq. No.	29042	Seq. ID	OJ000150_35.0225.C50
Gene No.	59921	Strand	-
Start	1	End	5525
Name	OJ000150_35.0225.C50.o6.tw	Method	TBLASTX:Wheat
Start	3841	End	4221
GI	none	Score	141
Exons	3841..4221, 3842..4201		

Seq. No.	29043	Seq. ID	OJ000150_35.0225.C51
Gene No.	59922	Strand	-
Start	171	End	632
Name	OJ000150_35.0225.C51.o1.gs	Method	GENSCAN
Start	171	End	632
GI	none	Score	.94
Exons	171..632		

Seq. No.	29044	Seq. ID	OJ000150_35.0225.C53
Gene No.	59923	Strand	-
Start	98	End	253
Name	OJ000150_35.0225.C53.o1.gs	Method	GENSCAN
Start	98	End	253
GI	none	Score	.51
Exons	98..253		

Seq. No.	29045	Seq. ID	OJ000150_35.0225.C54
Gene No.	59924	Strand	-
Start	1	End	266
Name	OJ000150_35.0225.C54.o1.np	Method	AAT/NAP
Start	1	End	229
GI	3645899	Score	122
Exons	1..229		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	29045	Seq. ID	OJ000150_35.0225.C54
Gene No.	59924	Strand	-
Start	1	End	266
Name	OJ000150_35.0225.C54.o1.gs	Method	GENSCAN

Start	57	End	266
GI	none	Score	.62
Exons	57..266		

Seq. No.	29046	Seq. ID	OJ000150_35.0225.C58
Gene No.	59925	Strand	+
Start	29	End	38
Name	OJ000150_35.0225.C58.o1.gs	Method	GENSCAN
Start	29	End	38
GI	none	Score	.83
Exons	29..38		

Seq. No.	29047	Seq. ID	OJ000150_35.0225.C59
Gene No.	59926	Strand	+
Start	266	End	555
Name	OJ000150_35.0225.C59.o1.gs	Method	GENSCAN
Start	266	End	555
GI	none	Score	.96
Exons	266..555		

Seq. No.	29048	Seq. ID	OJ000150_35.0225.C60
Gene No.	59927	Strand	+
Start	57	End	289
Name	OJ000150_35.0225.C60.o1.gs	Method	GENSCAN
Start	57	End	289
GI	none	Score	.48
Exons	57..289		

Seq. No.	29049	Seq. ID	OJ000150_35.0225.C62
Gene No.	59928	Strand	+
Start	312	End	567
Name	OJ000150_35.0225.C62.o1.gs	Method	GENSCAN
Start	312	End	567
GI	none	Score	.88
Exons	312..467, 555..567		

Seq. No.	29050	Seq. ID	OJ000150_35.0225.C63
Gene No.	59929	Strand	+
Start	481	End	1022
Name	OJ000150_35.0225.C63.o1.gs	Method	GENSCAN
Start	481	End	1022
GI	none	Score	.75
Exons	481..1022		

Seq. No.	29051	Seq. ID	OJ000150_35.0225.C65
Gene No.	59930	Strand	-
Start	29	End	65
Name	OJ000150_35.0225.C65.o1.gs	Method	GENSCAN
Start	29	End	65
GI	none	Score	.85
Exons	29..65		

Seq. No.	29052	Seq. ID	OJ000150_35.0225.C66
Gene No.	59931	Strand	+
Start	318	End	904
Name	OJ000150_35.0225.C66.o1.np	Method	AAT/NAP
Start	318	End	904

GI	6539588	Score	97
Exons	318..594, 843..904		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	29052	Seq. ID	OJ000150_35.0225.C66
Gene No.	59932	Strand	-
Start	203	End	496
Name	OJ000150_35.0225.C66.o1.gs	Method	GENSCAN
Start	203	End	496
GI	none	Score	.48
Exons	203..496		

Seq. No.	29053	Seq. ID	OJ000150_35.0225.C67
Gene No.	59933	Strand	+
Start	533	End	880
Name	OJ000150_35.0225.C67.o1.gs	Method	GENSCAN
Start	533	End	880
GI	none	Score	.69
Exons	533..640, 728..880		

Seq. No.	29054	Seq. ID	OJ000150_35.0225.C68
Gene No.	59934	Strand	+
Start	27	End	56
Name	OJ000150_35.0225.C68.o1.gs	Method	GENSCAN
Start	27	End	56
GI	none	Score	.51
Exons	27..56		

Seq. No.	29055	Seq. ID	OJ000150_35.0225.C72
Gene No.	59935	Strand	+
Start	43	End	204
Name	OJ000150_35.0225.C72.o1.gs	Method	GENSCAN
Start	43	End	204
GI	none	Score	.83
Exons	43..204		

Seq. No.	29056	Seq. ID	OJ000150_35.0225.C73
Gene No.	59936	Strand	+
Start	1	End	1164
Name	OJ000150_35.0225.C73.o1.np	Method	AAT/NAP
Start	1	End	1164
GI	2586082	Score	167
Exons	1..33, 923..1164		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	29056	Seq. ID	OJ000150_35.0225.C73
Gene No.	59936	Strand	+
Start	1	End	1164
Name	OJ000150_35.0225.C73.o1.gs	Method	GENSCAN
Start	362	End	628
GI	none	Score	.5
Exons	362..437, 500..628		

Seq. No.	29056	Seq. ID	OJ000150_35.0225.C73
Gene No.	59937	Strand	-
Start	1171	End	1531
Name	OJ000150_35.0225.C73.o2.gs	Method	GENSCAN

Start	1171	End	1531
GI	none	Score	.58
Exons	1171..1372, 1483..1531		

Seq. No.	29057	Seq. ID	OJ000150_35.0225.C74
Gene No.	59938	Strand	+
Start	61	End	168
Name	OJ000150_35.0225.C74.o1.gs	Method	GENSCAN
Start	61	End	168
GI	none	Score	.75
Exons	61..168		

Seq. No.	29058	Seq. ID	OJ000150_35.0225.C76
Gene No.	59939	Strand	+
Start	1	End	533
Name	OJ000150_35.0225.C76.o1.np	Method	AAT/NAP
Start	1	End	192
GI	6041822	Score	68
Exons	1..192		
GI Descrip.	(AC009918) unknown protein [Arabidopsis thaliana]		

Seq. No.	29058	Seq. ID	OJ000150_35.0225.C76
Gene No.	59939	Strand	+
Start	1	End	533
Name	OJ000150_35.0225.C76.o1.gs	Method	GENSCAN
Start	81	End	533
GI	none	Score	.59
Exons	81..182, 267..533		

Seq. No.	29059	Seq. ID	OJ000150_34.0225.C1
Gene No.	59940	Strand	-
Start	183	End	224
Name	OJ000150_34.0225.C1.o1.gs	Method	GENSCAN
Start	183	End	224
GI	none	Score	.86
Exons	183..224		

Seq. No.	29060	Seq. ID	OJ000150_34.0225.C4
Gene No.	59941	Strand	-
Start	180	End	347
Name	OJ000150_34.0225.C4.o1.gs	Method	GENSCAN
Start	180	End	347
GI	none	Score	.72
Exons	180..347		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59942	Strand	-
Start	4316	End	7604
Name	OJ000150_34.0225.C5.o2.np	Method	AAT/NAP
Start	4316	End	7583
GI	4432794	Score	1200
Exons	4316..4344, 5277..7583		
GI Descrip.	(AC006437) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59942	Strand	-

Start	4316	End	7604
Name	OJ000150_34.0225.C5.o1.np	Method	AAT/NAP
Start	5421	End	7604
GI	100484	Score	1405
Exons	5421..7397, 7440..7604		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o1.tw	Method	TBLASTX:Wheat
Start	4450	End	5771
GI	none	Score	56
Exons	4450..4608, 4618..4827, 4703..4837, 5313..5771, 5371..5526		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o4.tm	Method	TBLASTX:Maize
Start	4590	End	5171
GI	none	Score	50
Exons	4590..4664, 4590..4664, 4591..4665, 4591..4665, 4643..4852, 4645..4848, 4660..4869, 4661..4870, 4834..4890, 4948..5034, 4958..5035, 5118..5171, 5131..5169		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o5.tm	Method	TBLASTX:Maize
Start	5172	End	5380
GI	none	Score	251
Exons	5172..5378, 5173..5379, 5176..5379, 5264..5380		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o1.tm	Method	TBLASTX:Maize
Start	5380	End	5871
GI	none	Score	553
Exons	5380..5871, 5381..5869, 5382..5870		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o1.ts	Method	TBLASTX:Soybean
Start	5430	End	5834
GI	none	Score	78
Exons	5430..5672, 5431..5526, 5606..5692, 5685..5834, 5710..5787		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o4.tw	Method	TBLASTX:Wheat
Start	5874	End	6173
GI	none	Score	64
Exons	5874..5966, 5907..5966, 5973..6173, 5974..6111		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o3.tm	Method	TBLASTX:Maize
Start	5895	End	6367
GI	none	Score	169
Exons	5895..6089, 5899..6084, 6114..6365, 6148..6366, 6150..6362, 6167..6367		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o2.tw	Method	TBLASTX:Wheat
Start	6480	End	6779
GI	none	Score	129
Exons	6480..6779, 6508..6768, 6546..6773		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o2.tm	Method	TBLASTX:Maize
Start	6520	End	6987
GI	none	Score	271
Exons	6520..6831, 6522..6839, 6704..6847, 6834..6911, 6834..6914, 6847..6912, 6897..6935, 6906..6986, 6919..6987		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o1.tc	Method	TBLASTX:Cress
Start	6567	End	6918
GI	none	Score	117
Exons	6567..6788, 6571..6732, 6810..6914, 6811..6918		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o3.tw	Method	TBLASTX:Wheat
Start	6795	End	7190
GI	none	Score	161
Exons	6795..6911, 6921..7190		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o2.ts	Method	TBLASTX:Soybean
Start	6921	End	7214
GI	none	Score	70
Exons	6921..7106, 6921..7214		

Seq. No.	29061	Seq. ID	OJ000150_34.0225.C5
Gene No.	59943	Strand	-
Start	7743	End	7835
Name	OJ000150_34.0225.C5.o1.gp	Method	AAT/GAP
Start	7743	End	7835
GI	2799534	Score	115
Exons	7743..7835		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59944	Strand	+
Start	53	End	294
Name	OJ000150_34.0225.C6.o1.gs	Method	GENSCAN
Start	53	End	294
GI	none	Score	.7
Exons	53..294		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59945	Strand	+
Start	4061	End	6563
Name	OJ000150_34.0225.C6.o3.gs	Method	GENSCAN
Start	4061	End	6563
GI	none	Score	.52
Exons	4061..4154, 4592..4822, 6421..6563		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59946	Strand	+
Start	8168	End	8694
Name	OJ000150_34.0225.C6.o1.gp	Method	AAT/GAP
Start	8168	End	8694
GI	none	Score	963
Exons	8168..8694		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59947	Strand	+
Start	10800	End	11271
Name	OJ000150_34.0225.C6.o2.gp	Method	AAT/GAP
Start	10800	End	11271
GI	5038975	Score	676
Exons	10800..10892, 11017..11271		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59948	Strand	+
Start	16736	End	17522
Name	OJ000150_34.0225.C6.o3.gp	Method	AAT/GAP
Start	16736	End	17522
GI	none	Score	660
Exons	16736..16889, 17168..17246, 17340..17522		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59949	Strand	+
Start	17488	End	17716
Name	OJ000150_34.0225.C6.o4.gp	Method	AAT/GAP
Start	17488	End	17716
GI	none	Score	409
Exons	17488..17716		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59950	Strand	+
Start	17943	End	18298
Name	OJ000150_34.0225.C6.o5.gp	Method	AAT/GAP
Start	17943	End	18298
GI	5038862	Score	643
Exons	17943..18298		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59951	Strand	+
Start	22142	End	22522
Name	OJ000150_34.0225.C6.o6.gp	Method	AAT/GAP
Start	22142	End	22522
GI	92678_1.R1084	Score	463
Exons	22142..22386, 22458..22522		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 9.0e-67 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59952	Strand	+
Start	22761	End	22905
Name	OJ000150_34.0225.C6.o7.gp	Method	AAT/GAP
Start	22761	End	22905
GI	3683_1.R1084	Score	194
Exons	22761..22905		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59953	Strand	+
Start	23825	End	26745
Name	OJ000150_34.0225.C6.o7.gs	Method	GENSCAN
Start	23825	End	26745
GI	none	Score	.74
Exons	23825..23922, 24046..24148, 25571..25951, 26617..26745		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59954	Strand	+
Start	28861	End	31398
Name	OJ000150_34.0225.C6.o8.gs	Method	GENSCAN
Start	28861	End	31398
GI	none	Score	.85
Exons	28861..31398		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59954	Strand	+
Start	28861	End	31398
Name	OJ000150_34.0225.C6.o1.np	Method	AAT/NAP
Start	29322	End	30849
GI	6598842	Score	666
Exons	29322..30849		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59954	Strand	+
Start	28861	End	31398
Name	OJ000150_34.0225.C6.o2.np	Method	AAT/NAP
Start	29419	End	30621
GI	4539460	Score	539
Exons	29419..30621		
GI Descrip.	(AL049500) putative protein [Arabidopsis thaliana]		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59955	Strand	+
Start	37538	End	41053

Name	OJ000150_34.0225.C6.o9.gp	Method	AAT/GAP
Start	37538	End	38812
GI	none	Score	789
Exons	37538..37748, 38602..38812		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59955	Strand	+
Start	37538	End	41053
Name	OJ000150_34.0225.C6.o3.np	Method	AAT/NAP
Start	38658	End	41053
GI	4469012	Score	667
Exons	38658..38847, 40302..40849, 40892..41053		
GI Descrip.	(AL035602) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59955	Strand	+
Start	37538	End	41053
Name	OJ000150_34.0225.C6.o10.gp	Method	AAT/GAP
Start	40609	End	40935
GI	LIB3434-058-P1-K1-C1	Score	610
Exons	40609..40935		
GI Descrip.	'4469013/emb|CAB38274| 2.0e-14 (AL035602) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59956	Strand	+
Start	48318	End	53007
Name	OJ000150_34.0225.C6.o11.gs	Method	GENSCAN
Start	48318	End	52796
GI	none	Score	.5
Exons	48318..48893, 49093..49814, 50628..50824, 51945..52070, 52075..52280, 52512..52796		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59956	Strand	+
Start	48318	End	53007
Name	OJ000150_34.0225.C6.o5.np	Method	AAT/NAP
Start	50034	End	53007
GI	5777619	Score	115
Exons	50034..50191, 52450..52649, 52782..53007		
GI Descrip.	(AJ245900) CAA30377.1 protein [Oryza sativa]		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59957	Strand	-
Start	1285	End	1488
Name	OJ000150_34.0225.C6.o2.gs	Method	GENSCAN
Start	1285	End	1488
GI	none	Score	.51
Exons	1285..1333, 1403..1488		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59958	Strand	-
Start	17135	End	20141
Name	OJ000150_34.0225.C6.o6.gs	Method	GENSCAN
Start	17135	End	20141
GI	none	Score	.51
Exons	17135..17991, 18026..18163, 19883..20141		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59959	Strand	-
Start	26764	End	27063
Name	OJ000150_34.0225.C6.o8.gp	Method	AAT/GAP
Start	26764	End	27063
GI	4716115	Score	573
Exons	26764..27063		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59960	Strand	-
Start	32196	End	37966
Name	OJ000150_34.0225.C6.o9.gs	Method	GENSCAN
Start	32196	End	37966
GI	none	Score	.89
Exons	32196..32309, 32887..32973, 33434..33595, 35654..35810, 36472..36710, 37498..37745, 37747..37966		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59961	Strand	-
Start	41024	End	41463
Name	OJ000150_34.0225.C6.o11.gp	Method	AAT/GAP
Start	41024	End	41463
GI	none	Score	847
Exons	41024..41463		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59962	Strand	-
Start	52387	End	52747
Name	OJ000150_34.0225.C6.o12.gp	Method	AAT/GAP
Start	52387	End	52747
GI	LIB3433-048-P1-K1-F6	Score	566
Exons	52387..52747		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 4.0e-47 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o3.tm	Method	TBLASTX:Maize
Start	23748	End	26744
GI	none	Score	80
Exons	23748..23930, 23818..23922, 24043..24153, 24044..24157, 24044..24160, 25537..25719, 25568..25726, 25568..25726, 25735..25953, 25745..25954, 25806..25976, 26629..26739, 26640..26744		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o1.ts	Method	TBLASTX:Soybean
Start	29395	End	31371
GI	none	Score	100
Exons	29395..29625, 29395..29607, 29395..29613, 29413..29607, 29425..29619, 29611..30060, 29611..30258, 29635..29748, 29716..30483, 29809..30483, 29811..29942, 29814..30131, 29823..29963, 29836..30480, 29845..30015, 29928..30098,		

29938..30129, 29974..30063, 30012..30350, 30027..30377,
30091..30774, 30144..30329, 30145..30330, 30165..30278,
30226..30813, 30256..30381, 30516..30782, 30529..30798,
30871..31020, 30904..31059, 30925..31371, 30982..31350,
31114..31350

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o1.tc	Method	TBLASTX:Cress
Start	29395	End	31170
GI	none	Score	163

Exons 29395..29613, 29395..29577, 29395..29595, 29416..29619,
29590..29862, 29614..29985, 29719..30069, 29791..30003,
29797..30171, 29823..29984, 29884..30108, 29917..30291,
29953..30213, 29977..30060, 30028..30378, 30091..30315,
30150..30482, 30151..30486, 30196..30414, 30232..30597,
30295..30504, 30436..30798, 30535..30699, 30537..30707,
30538..30708, 30555..30830, 30556..30843, 30616..30831,
30715..30813, 30826..31104, 30871..31170, 30892..31083

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o4.tm	Method	TBLASTX:Maize
Start	29476	End	30771
GI	none	Score	74

Exons 29476..29586, 29800..29901, 29814..29897, 29887..29994,
29971..30099, 29988..30098, 30012..30098, 30487..30636,
30489..30641, 30492..30641, 30500..30658, 30625..30771,
30640..30771

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o5.tm	Method	TBLASTX:Maize
Start	29614	End	31383
GI	none	Score	68

Exons 29614..29760, 30103..30276, 30106..30381, 30123..30395,
30124..30483, 30340..30486, 31126..31383

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o7.tm	Method	TBLASTX:Maize
Start	38639	End	39003
GI	none	Score	37

Exons 38639..38716, 38656..38823, 38668..38718, 38714..38821,
38717..38824, 38718..38828, 38920..39003, 38926..38997,
38928..39002

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o1.tm	Method	TBLASTX:Maize
Start	40282	End	41076
GI	none	Score	474

Exons	40282..40797, 40289..40831, 40292..40846, 40638..40865, 40827..40886, 40841..40891, 40894..41061, 40895..41071, 40898..40945, 40935..41063, 40957..41076		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o2.ts	Method	TBLASTX:Soybean
Start	40661	End	41065
GI	none	Score	115
Exons	40661..40744, 40874..41065, 40960..41055		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o6.tm	Method	TBLASTX:Maize
Start	48299	End	48725
GI	none	Score	106
Exons	48299..48463, 48303..48464, 48307..48423, 48384..48461, 48456..48602, 48463..48582, 48464..48601, 48585..48725		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o1.tw	Method	TBLASTX:Wheat
Start	48438	End	48817
GI	none	Score	170
Exons	48438..48641, 48438..48509, 48443..48643, 48443..48610, 48445..48711, 48466..48642, 48646..48690, 48685..48726, 48685..48708, 48706..48780, 48714..48779, 48788..48817		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o12.gs	Method	GENSCAN
Start	53841	End	61739
GI	none	Score	.78
Exons	53841..54058, 54213..54387, 54680..54848, 56832..56905, 58171..58396, 58624..58731, 58846..59003, 59079..59375, 60171..60632, 60714..60857, 61008..61175, 61269..61511, 61587..61739		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o6.np	Method	AAT/NAP
Start	58106	End	61706
GI	6358762	Score	1238
Exons	58106..58396, 58624..58707, 58846..59003, 59079..59375, 60171..60632, 60714..60857, 61008..61175, 61269..61511, 61587..61706		
GI Descrip.	(AC011665) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o3.ts	Method	TBLASTX:Soybean

Start	58914	End	59303
GI	none	Score	46
Exons	58914..58997, 58969..59004, 59062..59193, 59094..59207, 59253..59303		

Seq. No.	29062	Seq. ID	OJ000150_34.0225.C6
Gene No.	59963	Strand	-
Start	53841	End	61739
Name	OJ000150_34.0225.C6.o2.tm	Method	TBLASTX:Maize
Start	59319	End	60548
GI	none	Score	85
Exons	59319..59375, 59320..59382, 59321..59377, 60168..60548, 60174..60545, 60179..60547		

Seq. No.	29063	Seq. ID	OJ000150_34.0225.C7
Gene No.	59964	Strand	-
Start	939	End	3010
Name	OJ000150_34.0225.C7.o1.gs	Method	GENSCAN
Start	939	End	2478
GI	none	Score	.44
Exons	939..1315, 1409..1507, 1918..1960, 2176..2478		

Seq. No.	29063	Seq. ID	OJ000150_34.0225.C7
Gene No.	59964	Strand	-
Start	939	End	3010
Name	OJ000150_34.0225.C7.o1.np	Method	AAT/NAP
Start	1408	End	3010
GI	6358772	Score	409
Exons	1408..1560, 1800..1874, 2176..2478, 2946..3010		
GI Descrip.	(AC011665) putative menaquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59965	Strand	+
Start	8853	End	12833
Name	OJ000150_34.0225.C8.o2.np	Method	AAT/NAP
Start	8449	End	12821
GI	1065484	Score	142
Exons	8449..8476, 11167..11267, 11453..11638, 12422..12609, 12757..12821		
GI Descrip.	(U40415) similar to S. cerevisiae LAG1 (SP:P38703) [Caenorhabditis elegans]		

Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59965	Strand	+
Start	8853	End	12833
Name	OJ000150_34.0225.C8.o1.gp	Method	AAT/GAP
Start	8757	End	11157
GI	none	Score	904
Exons	8757..9002, 10803..11027, 11112..11157		

Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59965	Strand	+
Start	8853	End	12833
Name	OJ000150_34.0225.C8.o2.gs	Method	GENSCAN
Start	8853	End	12833
GI	none	Score	.78

Exons	8853..9002, 9233..9308, 9619..9695, 10803..11026, 11112..11267, 11453..11638, 12428..12609, 12802..12833		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59966	Strand	+
Start	12760	End	13261
Name	OJ000150_34.0225.C8.o2.gp	Method	AAT/GAP
Start	12760	End	13261
GI	none	Score	853
Exons	12760..13261		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59967	Strand	-
Start	1	End	5682
Name	OJ000150_34.0225.C8.o1.np	Method	AAT/NAP
Start	1	End	4926
GI	6358772	Score	1001
Exons	1..48, 170..736, 1271..1369, 1601..1795, 1859..1969, 2590..2735, 3814..3934, 4568..4685, 4768..4926		
GI Descrip.	(AC011665) putative menaquinone biosynthesis protein [Arabidopsis thaliana]		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59967	Strand	-
Start	1	End	5682
Name	OJ000150_34.0225.C8.o1.gs	Method	GENSCAN
Start	284	End	5682
GI	none	Score	.73
Exons	284..736, 1271..1369, 1601..1795, 1859..1969, 2905..2961, 3818..3934, 4568..4685, 4768..4964, 5290..5682		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59968	Strand	
Start	8895	End	11642
Name	OJ000150_34.0225.C8.o1.tc	Method	TBLASTX:Cress
Start	8895	End	11011
GI	none	Score	68
Exons	8895..9002, 10857..11009, 10889..11011, 10889..11011		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59968	Strand	
Start	8895	End	11642
Name	OJ000150_34.0225.C8.o1.tm	Method	TBLASTX:Maize
Start	8895	End	11642
GI	none	Score	95
Exons	8895..9002, 10827..11027, 10889..11029, 10889..11023, 11110..11268, 11110..11271, 11450..11638, 11451..11636, 11454..11642		
Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59968	Strand	
Start	8895	End	11642
Name	OJ000150_34.0225.C8.o1.ts	Method	TBLASTX:Soybean
Start	8895	End	11618
GI	none	Score	75
Exons	8895..9002, 10827..11027, 10864..11028, 10889..11029, 10889..11035, 11109..11279, 11116..11268, 11450..11563,		

11451..11618

Seq. No.	29064	Seq. ID	OJ000150_34.0225.C8
Gene No.	59969	Strand	
Start	12458	End	12607
Name	OJ000150_34.0225.C8.o2.tm	Method	TBLASTX:Maize
Start	12458	End	12607
GI	none	Score	225
Exons	12458..12607, 12458..12607		

Seq. No.	29065	Seq. ID	OJ000150_34.0225.C9
Gene No.	59970	Strand	-
Start	283	End	483
Name	OJ000150_34.0225.C9.o1.gp	Method	AAT/GAP
Start	283	End	483
GI	none	Score	381
Exons	283..483		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59971	Strand	+
Start	1080	End	1754
Name	OJ000150_34.0225.C11.o1.np	Method	AAT/NAP
Start	1080	End	1754
GI	4895243	Score	415
Exons	1080..1754		
GI Descrip.	(AC007659) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59971	Strand	+
Start	1080	End	1754
Name	OJ000150_34.0225.C11.o1.gs	Method	GENSCAN
Start	1096	End	1744
GI	none	Score	.56
Exons	1096..1354, 1356..1744		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59972	Strand	+
Start	5476	End	7117
Name	OJ000150_34.0225.C11.o2.np	Method	AAT/NAP
Start	5476	End	7117
GI	1786142	Score	576
Exons	5476..5674, 5729..6383, 6523..7117		
GI Descrip.	(AB000455) PEThy;ZPT4-1 [Petunia x hybrida]		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59973	Strand	+
Start	14661	End	15467
Name	OJ000150_34.0225.C11.o3.np	Method	AAT/NAP
Start	14661	End	15467
GI	2346970	Score	241
Exons	14661..15121, 15170..15467		
GI Descrip.	(AB006597) ZPT2-10 [Petunia x hybrida]		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59974	Strand	+
Start	17212	End	21860

Name	OJ000150_34.0225.C11.o6.gs	Method	GENSCAN
Start	17212	End	21860
GI	none	Score	.73
Exons	17212..17262, 17474..17527, 17751..17793, 17961..18061, 18094..18238, 19615..19730, 20089..21239, 21285..21478, 21793..21860		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59974	Strand	+
Start	17212	End	21860
Name	OJ000150_34.0225.C11.o4.np	Method	AAT/NAP
Start	20155	End	21478
GI	5732064	Score	548
Exons	20155..20450, 20539..21478		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59975	Strand	+
Start	22338	End	22678
Name	OJ000150_34.0225.C11.o5.np	Method	AAT/NAP
Start	22338	End	22678
GI	6907088	Score	227
Exons	22338..22475, 22653..22678		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59976	Strand	-
Start	2254	End	3445
Name	OJ000150_34.0225.C11.o2.gs	Method	GENSCAN
Start	2254	End	3445
GI	none	Score	.56
Exons	2254..2407, 2579..2761, 3282..3445		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59977	Strand	-
Start	16662	End	16929
Name	OJ000150_34.0225.C11.o5.gs	Method	GENSCAN
Start	16662	End	16929
GI	none	Score	.6
Exons	16662..16867, 16908..16929		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59978	Strand	-
Start	19721	End	20389
Name	OJ000150_34.0225.C11.o1.tc	Method	TBLASTX:Cress
Start	1141	End	1636
GI	none	Score	56
Exons	1141..1224, 1298..1378, 1418..1636		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59978	Strand	-
Start	19721	End	20389
Name	OJ000150_34.0225.C11.o2.gp	Method	AAT/GAP
Start	19721	End	20389
GI	5803303	Score	1252
Exons	19721..20389		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59979	Strand	
Start	20536	End	21447
Name	OJ000150_34.0225.C11.o2.tm	Method	TBLASTX:Maize
Start	20536	End	20748
GI	none	Score	227
Exons	20536..20748, 20536..20706		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59979	Strand	
Start	20536	End	21447
Name	OJ000150_34.0225.C11.o1.ts	Method	TBLASTX:Soybean
Start	20542	End	21009
GI	none	Score	118
Exons	20542..20724, 20737..21009		

Seq. No.	29066	Seq. ID	OJ000150_34.0225.C11
Gene No.	59979	Strand	
Start	20536	End	21447
Name	OJ000150_34.0225.C11.o1.tm	Method	TBLASTX:Maize
Start	20758	End	21447
GI	none	Score	168
Exons	20758..20970, 20953..21447		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o1.np	Method	AAT/NAP
Start	1	End	1878
GI	6069659	Score	103
Exons	1..32, 209..320, 1844..1878		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o1.gp	Method	AAT/GAP
Start	320	End	481
GI	5667165	Score	286
Exons	320..481		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o1.gs	Method	GENSCAN
Start	1121	End	3924
GI	none	Score	.44
Exons	1121..1732, 2513..2611, 2865..3056, 3421..3579, 3667..3924		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o2.np	Method	AAT/NAP
Start	1127	End	1907

GI	1091678	Score	212
Exons	1127..1907		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o3.np	Method	AAT/NAP
Start	1131	End	1821
GI	5732064	Score	193
Exons	1131..1427, 1503..1821		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o1.tm	Method	TBLASTX:Maize
Start	1472	End	1786
GI	none	Score	264
Exons	1472..1786, 1516..1758		

Seq. No.	29067	Seq. ID	OJ000150_34.0225.C12
Gene No.	59980	Strand	+
Start	1	End	3924
Name	OJ000150_34.0225.C12.o1.ts	Method	TBLASTX:Soybean
Start	1553	End	1762
GI	none	Score	195
Exons	1553..1762		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59981	Strand	+
Start	185	End	2637
Name	OJ000150_34.0225.C13.o1.gs	Method	GENSCAN
Start	185	End	2637
GI	none	Score	.55
Exons	185..260, 529..1562, 1696..1849, 2502..2547, 2619..2637		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59981	Strand	+
Start	185	End	2637
Name	OJ000150_34.0225.C13.o1.np	Method	AAT/NAP
Start	930	End	1718
GI	1652104	Score	685
Exons	930..1718		
GI Descrip.	(D90902) hypothetical protein [Synechocystis sp.]		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59982	Strand	+
Start	20145	End	20268
Name	OJ000150_34.0225.C13.o4.np	Method	AAT/NAP
Start	20145	End	20268
GI	5852093	Score	45
Exons	20145..20268		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13

Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o2.np	Method	AAT/NAP
Start	4241	End	14370
GI	6715726	Score	344
Exons	4241..4357, 11190..11285, 11433..11542, 11714..11814, 14261..14370		
GI Descrip.	(AC016447) unknown protein [Arabidopsis thaliana]		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o2.gs	Method	GENSCAN
Start	4250	End	6186
GI	none	Score	.8
Exons	4250..4357, 4586..4681, 4816..4925, 5015..5165, 5749..5973, 6139..6186		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o4.gs	Method	GENSCAN
Start	10827	End	18442
GI	none	Score	.51
Exons	10827..10930, 11714..11814, 12211..12545, 12677..12848, 14349..14400, 15245..15362, 15595..15672, 16701..16794, 17029..17474, 17921..18110, 18198..18442		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o1.gp	Method	AAT/GAP
Start	11918	End	12445
GI	5667374	Score	1006
Exons	11918..12445		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o2.gp	Method	AAT/GAP
Start	12650	End	12901
GI	none	Score	484
Exons	12650..12901		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o3.gp	Method	AAT/GAP
Start	13916	End	13989
GI	LIB3477-003-P1-K1-E9	Score	103
Exons	13916..13989		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-

Start	4250	End	18442
Name	OJ000150_34.0225.C13.o4.gp	Method	AAT/GAP
Start	14476	End	14619
GI	LIB3431-027-P1-K1-D5	Score	247
Exons	14476..14619		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59983	Strand	-
Start	4250	End	18442
Name	OJ000150_34.0225.C13.o3.np	Method	AAT/NAP
Start	16753	End	18307
GI	2388565	Score	522
Exons	16753..16906, 17032..17474, 17921..18110, 18204..18307		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb|X95991). [Arabidopsis thaliana]		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59984	Strand	-
Start	23511	End	23620
Name	OJ000150_34.0225.C13.o5.np	Method	AAT/NAP
Start	23511	End	23620
GI	4539658	Score	61
Exons	23511..23620		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o1.ts	Method	TBLASTX:Soybean
Start	963	End	1628
GI	none	Score	715
Exons	963..1628, 1058..1327, 1394..1627		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o2.tm	Method	TBLASTX:Maize
Start	1508	End	1850
GI	none	Score	373
Exons	1508..1762, 1509..1763, 1740..1850		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o5.tm	Method	TBLASTX:Maize
Start	4262	End	11823
GI	none	Score	64
Exons	4262..4360, 4816..4935, 4820..4927, 5013..5105, 10810..10926, 10818..10931, 10835..10948, 10835..10933, 11187..11288, 11190..11285, 11419..11544, 11433..11543, 11705..11812, 11712..11819, 11712..11816, 11713..11823		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-

Start	24517	End	26872
Name	OJ000150_34.0225.C13.o3.tm	Method	TBLASTX:Maize
Start	16671	End	16915
GI	none	Score	50
Exons	16671..16727, 16750..16914, 16751..16915		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o1.tm	Method	TBLASTX:Maize
Start	17047	End	17867
GI	none	Score	543
Exons	17047..17475, 17052..17486, 17736..17867		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o2.ts	Method	TBLASTX:Soybean
Start	17055	End	18325
GI	none	Score	130
Exons	17055..17141, 17151..17228, 17250..17474, 17284..17475, 18062..18109, 18200..18325		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o1.tc	Method	TBLASTX:Cress
Start	17065	End	17496
GI	none	Score	66
Exons	17065..17133, 17067..17204, 17163..17486, 17170..17496, 17367..17474		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o1.tw	Method	TBLASTX:Wheat
Start	17151	End	18310
GI	none	Score	135
Exons	17151..17192, 17211..17486, 17212..17475, 17921..18112, 18200..18310, 18218..18310		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o2.tc	Method	TBLASTX:Cress
Start	17966	End	18349
GI	none	Score	177
Exons	17966..18112, 17967..18113, 18200..18349		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o4.tm	Method	TBLASTX:Maize
Start	18071	End	18347
GI	none	Score	58
Exons	18071..18109, 18072..18116, 18194..18325, 18197..18346, 18207..18347		

Seq. No.	29068	Seq. ID	OJ000150_34.0225.C13
Gene No.	59985	Strand	-
Start	24517	End	26872
Name	OJ000150_34.0225.C13.o6.gs	Method	GENSCAN
Start	24517	End	26872
GI	none	Score	.6
Exons	24517..24586, 26750..26872		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59986	Strand	+
Start	1	End	66
Name	OJ000150_34.0225.C14.o1.gp	Method	AAT/GAP
Start	1	End	66
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1..66		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.gs	Method	GENSCAN
Start	142	End	4489
GI	none	Score	.7
Exons	142..179, 777..930, 1533..1610, 1976..2128, 2318..2586, 3134..3223, 3356..3557, 4234..4489		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o2.gp	Method	AAT/GAP
Start	1722	End	4359
GI	3923_1.R1084	Score	2637
Exons	1722..1744, 1770..2679, 3133..3281, 3356..3557, 4234..4359		
GI Descrip.	'4263784/gb|AAD15444| 2.0e-93 (AC006068) putative glycogenin-2 protein [Arabidopsis thaliana]'		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.tm	Method	TBLASTX:Maize
Start	2116	End	2708
GI	none	Score	587
Exons	2116..2703, 2116..2703, 2117..2704, 2400..2708		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.np	Method	AAT/NAP
Start	2146	End	5888
GI	2245015	Score	1062
Exons	2146..2672, 3356..3557, 4234..4606, 5676..5888		
GI Descrip.	(Z97341) glucosyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14

Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o2.ts	Method	TBLASTX:Soybean
Start	2197	End	2680
GI	none	Score	101
Exons	2197..2457, 2231..2452, 2449..2574, 2548..2679, 2576..2680		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.tc	Method	TBLASTX:Cress
Start	2548	End	3434
GI	none	Score	92
Exons	2548..2679, 2579..2680, 3131..3280, 3133..3279, 3181..3282, 3357..3434		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.ts	Method	TBLASTX:Soybean
Start	3155	End	3567
GI	none	Score	180
Exons	3155..3280, 3157..3282, 3157..3279, 3353..3538, 3357..3557, 3358..3567		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o2.tm	Method	TBLASTX:Maize
Start	3196	End	4494
GI	none	Score	147
Exons	3196..3279, 3197..3280, 3231..3281, 3335..3562, 3353..3556, 3357..3560, 3358..3573, 4234..4494, 4234..4488		

Seq. No.	29069	Seq. ID	OJ000150_34.0225.C14
Gene No.	59987	Strand	-
Start	142	End	5888
Name	OJ000150_34.0225.C14.o1.tw	Method	TBLASTX:Wheat
Start	3205	End	4290
GI	none	Score	100
Exons	3205..3279, 3206..3280, 3227..3289, 3353..3550, 3355..3558, 3357..3560, 3361..3558, 4234..4290, 4238..4288		

Seq. No.	29070	Seq. ID	OJ000250_39.0223.C4
Gene No.	59988	Strand	-
Start	1	End	402
Name	OJ000250_39.0223.C4.o1.np	Method	AAT/NAP
Start	1	End	402
GI	6728879	Score	147
Exons	1..143, 207..402		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	29070	Seq. ID	OJ000250_39.0223.C4
Gene No.	59988	Strand	-
Start	1	End	402
Name	OJ000250_39.0223.C4.o1.gs	Method	GENSCAN
Start	27	End	307

GI	none	Score	.88
Exons	27..113, 207..307		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	32739_1.R1084	Score	598
Exons	1..111, 188..416		
GI Descrip.	'3046731/emb|CAA06503| 3.0e-52 (AJ005373) protein kinase [Craterostigma plantagineum]'		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	311
GI	none	Score	75
Exons	1..114, 2..112, 173..307, 189..311		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o2.gp	Method	AAT/GAP
Start	1	End	440
GI	32739_1.R1084	Score	638
Exons	1..111, 188..440		
GI Descrip.	'3046731/emb|CAA06503| 3.0e-52 (AJ005373) protein kinase [Craterostigma plantagineum]'		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	320
GI	none	Score	74
Exons	1..114, 2..112, 173..310, 176..313, 195..320		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.np	Method	AAT/NAP
Start	1	End	307
GI	3046731	Score	287
Exons	1..111, 188..307		
GI Descrip.	(AJ005373) protein kinase [Craterostigma plantagineum]		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	332
GI	none	Score	112
Exons	1..111, 1..114, 2..112, 173..325, 176..316, 189..332		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5

Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	308
GI	none	Score	65
Exons	1..114, 2..112, 173..307, 192..308		

Seq. No.	29071	Seq. ID	OJ000250_39.0223.C5
Gene No.	59989	Strand	-
Start	1	End	440
Name	OJ000250_39.0223.C5.o1.gs	Method	GENSCAN
Start	188	End	247
GI	none	Score	.85
Exons	188..247		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59990	Strand	+
Start	8741	End	9856
Name	OJ000250_39.0223.C6.o3.gp	Method	AAT/GAP
Start	8741	End	9856
GI	183_2.R1084	Score	2195
Exons	8741..9856		
GI Descrip.	'1304215/dbj|BAA12337| 1.0e-107 (D84392) precursor of rice 22 kDa protein of photosystem II (PSII-S) [Oryza sativa]'		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59991	Strand	-
Start	1081	End	2431
Name	OJ000250_39.0223.C6.o1.gp	Method	AAT/GAP
Start	706	End	1167
GI	2317586	Score	880
Exons	706..1167		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59991	Strand	-
Start	1081	End	2431
Name	OJ000250_39.0223.C6.o1.gs	Method	GENSCAN
Start	1081	End	2431
GI	none	Score	.47
Exons	1081..1407, 1532..1630, 1714..1935, 2076..2195, 2312..2431		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59991	Strand	-
Start	1081	End	2431
Name	OJ000250_39.0223.C6.o1.np	Method	AAT/NAP
Start	1099	End	2431
GI	1362051	Score	980
Exons	1099..1307, 1350..1451, 1532..1630, 1714..2236, 2312..2431		
GI Descrip.	protein kinase 3 - soybean gi|310582 (L19361) protein kinase 3 [Glycine max]		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59992	Strand	-
Start	5467	End	8942
Name	OJ000250_39.0223.C6.o2.np	Method	AAT/NAP
Start	5467	End	8942
GI	3894187	Score	105

Exons	5467..5509, 7501..7651, 8909..8942		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o1.tc	Method	TBLASTX:Cress
Start	1207	End	2431
GI	none	Score	100
Exons	1207..1302, 1357..1425, 1499..1633, 1521..1634, 1717..1938, 1718..1939, 1937..2185, 1937..2239, 2303..2431, 2313..2414		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o1.ts	Method	TBLASTX:Soybean
Start	1210	End	2431
GI	none	Score	61
Exons	1210..1302, 1211..1303, 1357..1431, 1400..1426, 1419..1454, 1532..1633, 1539..1631, 1717..1938, 1718..1939, 1937..2239, 1982..2182, 2303..2431, 2316..2414		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o1.tm	Method	TBLASTX:Maize
Start	1428	End	2431
GI	none	Score	35
Exons	1428..1454, 1521..1634, 1532..1633, 1717..1938, 1718..1936, 1937..2239, 1938..2003, 2295..2423, 2300..2413, 2303..2431, 2313..2417		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o1.tw	Method	TBLASTX:Wheat
Start	1777	End	2170
GI	none	Score	187
Exons	1777..1938, 1778..1936, 1937..2170		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o2.tm	Method	TBLASTX:Maize
Start	8955	End	9503
GI	none	Score	44
Exons	8955..9002, 9045..9287, 9045..9170, 9065..9283, 9065..9166, 9345..9476, 9354..9503, 9356..9493, 9356..9475		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o2.tc	Method	TBLASTX:Cress
Start	8957	End	9589
GI	none	Score	232
Exons	8957..8998, 8964..9287, 9045..9188, 9065..9283, 9065..9193, 9278..9589, 9330..9542, 9345..9503, 9356..9493		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o3.gs	Method	GENSCAN
Start	8957	End	9703
GI	none	Score	.54
Exons	8957..9703		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o2.ts	Method	TBLASTX:Soybean
Start	8957	End	9607
GI	none	Score	205
Exons	8957..8998, 8964..9188, 9048..9188, 9065..9205, 9065..9196, 9206..9256, 9225..9257, 9278..9607, 9330..9539, 9333..9536, 9356..9493		

Seq. No.	29072	Seq. ID	OJ000250_39.0223.C6
Gene No.	59993	Strand	-
Start	8957	End	9721
Name	OJ000250_39.0223.C6.o3.np	Method	AAT/NAP
Start	8960	End	9721
GI	1304215	Score	1254
Exons	8960..9721		
GI Descrip.	(D84392) precursor of rice 22 kDa protein of photosystem II (PSII-S) [Oryza sativa]		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59994	Strand	+
Start	1	End	2601
Name	OJ000250_39.0223.C7.o1.np	Method	AAT/NAP
Start	1	End	2601
GI	4938484	Score	401
Exons	1..849, 2551..2601		
GI Descrip.	(AL078464) transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59994	Strand	+
Start	1	End	2601
Name	OJ000250_39.0223.C7.o1.gs	Method	GENSCAN
Start	197	End	2214
GI	none	Score	.5
Exons	197..843, 1624..2214		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59995	Strand	-
Start	3237	End	5615
Name	OJ000250_39.0223.C7.o2.gs	Method	GENSCAN
Start	3237	End	5526
GI	none	Score	.66
Exons	3237..3398, 3545..3607, 4815..5089, 5199..5526		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59995	Strand	-

Start	3237	End	5615
Name	OJ000250_39.0223.C7.o2.np	Method	AAT/NAP
Start	4571	End	5526
GI	5777613	Score	1042
Exons	4571..4618, 4815..5089, 5199..5526		
GI Descrip.	(AJ245900) CAA30371.1 protein [Oryza sativa]		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59995	Strand	-
Start	3237	End	5615
Name	OJ000250_39.0223.C7.o1.gp	Method	AAT/GAP
Start	5222	End	5615
GI	LIB3479-007-Q6-K1-G5	Score	729
Exons	5222..5615		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-158 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o1.tm	Method	TBLASTX:Maize
Start	226	End	489
GI	none	Score	341
Exons	226..489, 267..485		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o1.ts	Method	TBLASTX:Soybean
Start	226	End	489
GI	none	Score	328
Exons	226..489, 267..488		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o1.tc	Method	TBLASTX:Cress
Start	232	End	489
GI	none	Score	331
Exons	232..489, 241..474, 267..482		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o3.np	Method	AAT/NAP
Start	9092	End	15461
GI	5777614	Score	4372
Exons	9092..9240, 11411..11557, 12777..12868, 13075..13161, 13337..15461		
GI Descrip.	(AJ245900) CAA30372.1 protein [Oryza sativa]		

Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o2.gp	Method	AAT/GAP
Start	9279	End	13218
GI	2800499	Score	826

Exons	9279..9575, 12777..12839, 13075..13218		
GI Descrip.	5777612/emb|AJ245900.1|OSA245900 1.0e-158 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		
Seq. No.	29073	Seq. ID	OJ000250_39.0223.C7
Gene No.	59996	Strand	-
Start	11346	End	15489
Name	OJ000250_39.0223.C7.o3.gs	Method	GENSCAN
Start	11346	End	15489
GI	none	Score	.86
Exons	11346..11557, 12777..12868, 13075..13161, 13337..15489		
Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	59997	Strand	+
Start	5157	End	5928
Name	OJ000250_39.0223.C8.o2.gs	Method	GENSCAN
Start	5157	End	5928
GI	none	Score	.86
Exons	5157..5321, 5675..5716, 5836..5928		
Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	59998	Strand	-
Start	1	End	4302
Name	OJ000250_39.0223.C8.o1.np	Method	AAT/NAP
Start	1	End	4182
GI	5091620	Score	1055
Exons	1..407, 486..916, 993..1598, 1968..2302, 2407..2665, 2747..3243, 3328..4182		
GI Descrip.	(AC007454) Contains similarity to gi|836774 FAB1 protein from Saccharomyces cerevisiae genome gb|D50617. [Arabidopsis thaliana]		
Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	59998	Strand	-
Start	1	End	4302
Name	OJ000250_39.0223.C8.o2.np	Method	AAT/NAP
Start	1	End	4071
GI	5091620	Score	1057
Exons	1..407, 486..916, 993..1598, 1968..2302, 2407..2665, 2747..3243, 3328..4071		
GI Descrip.	(AC007454) Contains similarity to gi|836774 FAB1 protein from Saccharomyces cerevisiae genome gb|D50617. [Arabidopsis thaliana]		
Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	59998	Strand	-
Start	1	End	4302
Name	OJ000250_39.0223.C8.o1.gs	Method	GENSCAN
Start	86	End	4302
GI	none	Score	.81
Exons	86..1097, 1217..1375, 2407..3243, 3328..4302		
Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	59999	Strand	-
Start	7466	End	9992
Name	OJ000250_39.0223.C8.o3.gs	Method	GENSCAN
Start	7466	End	9992

GI	none	Score	.61
Exons	7466..7536, 9965..9992		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60000	Strand	-
Start	12271	End	13519
Name	OJ000250_39.0223.C8.o4.gs	Method	GENSCAN
Start	12271	End	13519
GI	none	Score	.81
Exons	12271..12453, 12537..12635, 12733..12805, 13090..13263, 13368..13519		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60001	Strand	-
Start	15906	End	18979
Name	OJ000250_39.0223.C8.o1.gp	Method	AAT/GAP
Start	15562	End	15794
GI	3106939	Score	411
Exons	15562..15794		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60001	Strand	-
Start	15906	End	18979
Name	OJ000250_39.0223.C8.o5.gs	Method	GENSCAN
Start	15906	End	18970
GI	none	Score	.94
Exons	15906..18317, 18353..18970		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60001	Strand	-
Start	15906	End	18979
Name	OJ000250_39.0223.C8.o4.np	Method	AAT/NAP
Start	15909	End	18973
GI	6587829	Score	2936
Exons	15909..18973		
GI Descrip.	(AC006551) Highly similar to phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60001	Strand	-
Start	15906	End	18979
Name	OJ000250_39.0223.C8.o2.gp	Method	AAT/GAP
Start	18516	End	18979
GI	uC-osroM202020b11b1	Score	876
Exons	18516..18979		
GI Descrip.	'4539453/emb|CAB39933.1| 2.0e-25 (AL049500) putative protein [Arabidopsis thaliana]'		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o5.tc	Method	TBLASTX:Cress
Start	1	End	218
GI	none	Score	175
Exons	1..213, 1..111, 3..218		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8

Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o6.ts	Method	TBLASTX:Soybean
Start	1	End	19291
GI	none	Score	180
Exons	1..213, 7..111, 9..218, 18..224, 19220..19291		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o6.tm	Method	TBLASTX:Maize
Start	1	End	665
GI	none	Score	280
Exons	1..252, 3..284, 3..254, 17..286, 20..283, 338..394, 457..564, 459..572, 462..572, 566..664, 576..665, 607..645		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o3.tc	Method	TBLASTX:Cress
Start	1964	End	2305
GI	none	Score	178
Exons	1964..2191, 1968..2189, 2207..2305		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o3.ts	Method	TBLASTX:Soybean
Start	1964	End	2305
GI	none	Score	179
Exons	1964..2212, 1968..2225, 2207..2305, 2217..2294		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o3.tm	Method	TBLASTX:Maize
Start	1967	End	2306
GI	none	Score	398
Exons	1967..2290, 1968..2306, 2130..2294		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o8.tc	Method	TBLASTX:Cress
Start	3130	End	3657
GI	none	Score	80
Exons	3130..3243, 3310..3384, 3421..3468, 3508..3657		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o7.ts	Method	TBLASTX:Soybean
Start	3418	End	3717
GI	none	Score	100
Exons	3418..3468, 3490..3657, 3512..3643, 3658..3717		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8

Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o8.tm	Method	TBLASTX:Maize
Start	3781	End	4005
GI	none	Score	189
Exons	3781..4005		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o1.ts	Method	TBLASTX:Soybean
Start	15898	End	16782
GI	none	Score	52
Exons	15898..15987, 15906..16286, 16075..16239, 16278..16781, 16315..16782		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o2.tm	Method	TBLASTX:Maize
Start	15900	End	16328
GI	none	Score	223
Exons	15900..16286, 15919..16239, 16281..16328		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o1.tc	Method	TBLASTX:Cress
Start	15996	End	16664
GI	none	Score	144
Exons	15996..16286, 16054..16239, 16278..16664, 16315..16644		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	16332	End	16959
GI	none	Score	676
Exons	16332..16916, 16333..16917, 16894..16959, 16899..16958		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o2.tc	Method	TBLASTX:Cress
Start	16674	End	17238
GI	none	Score	100
Exons	16674..16706, 16704..16883, 16710..16904, 16905..17075, 16906..17058, 17079..17237, 17128..17238		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	16687	End	17064
GI	none	Score	127
Exons	16687..16899, 16689..16898, 16884..17063, 16885..17064		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o2.ts	Method	TBLASTX:Soybean
Start	16821	End	17253
GI	none	Score	180
Exons	16821..17060, 16879..17058, 17079..17237, 17113..17253		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o4.tm	Method	TBLASTX:Maize
Start	17115	End	17565
GI	none	Score	165
Exons	17115..17243, 17116..17232, 17292..17351, 17293..17349, 17296..17352, 17298..17360, 17352..17522, 17353..17499, 17506..17565		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o6.tc	Method	TBLASTX:Cress
Start	17361	End	17670
GI	none	Score	75
Exons	17361..17513, 17562..17669, 17572..17670		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o5.ts	Method	TBLASTX:Soybean
Start	17391	End	17762
GI	none	Score	80
Exons	17391..17489, 17554..17679, 17559..17678, 17661..17762, 17682..17753, 17686..17760		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o5.tm	Method	TBLASTX:Maize
Start	17622	End	18913
GI	none	Score	126
Exons	17622..17759, 17623..17769, 17763..18050, 17776..17847, 17947..18051, 18809..18913		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o4.ts	Method	TBLASTX:Soybean
Start	17793	End	18949
GI	none	Score	84
Exons	17793..18086, 17797..17850, 17938..18081, 18809..18949		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o4.tc	Method	TBLASTX:Cress
Start	17913	End	18134

GI	none	Score	147
Exons	17913..18134, 17926..18126		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o7.tm	Method	TBLASTX:Maize
Start	18614	End	18997
GI	none	Score	122
Exons	18614..18808, 18615..18755, 18917..18997		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o7.tc	Method	TBLASTX:Cress
Start	18746	End	18974
GI	none	Score	100
Exons	18746..18967, 18813..18974		

Seq. No.	29074	Seq. ID	OJ000250_39.0223.C8
Gene No.	60002	Strand	-
Start	19950	End	21361
Name	OJ000250_39.0223.C8.o6.gs	Method	GENSCAN
Start	19950	End	21361
GI	none	Score	.91
Exons	19950..20057, 21011..21082, 21329..21361		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60003	Strand	+
Start	148	End	9246
Name	OJ000250_39.0223.C9.o1.gs	Method	GENSCAN
Start	148	End	9246
GI	none	Score	.44
Exons	148..1184, 1322..2275, 2419..2493, 2927..3012, 5173..5308, 5531..5726, 7828..7939, 9138..9246		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60003	Strand	+
Start	148	End	9246
Name	OJ000250_39.0223.C9.o1.gp	Method	AAT/GAP
Start	7821	End	8415
GI	none	Score	1120
Exons	7821..8415		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60004	Strand	+
Start	10053	End	10995
Name	OJ000250_39.0223.C9.o2.gp	Method	AAT/GAP
Start	10053	End	10995
GI	903_1.R1084	Score	1850
Exons	10053..10995		
GI Descrip.	'3777598 2.0e-42 (AF095707) 30S ribosomal protein S17 [Oryza sativa]'		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364

Name	OJ000250_39.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	1892	End	2257
GI	none	Score	154
Exons	1892..2125, 2174..2257		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o3.ts	Method	TBLASTX:Soybean
Start	1897	End	2140
GI	none	Score	234
Exons	1897..2124, 1901..2140		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o2.tm	Method	TBLASTX:Maize
Start	2046	End	6046
GI	none	Score	338
Exons	2046..2168, 2054..2269, 2059..2271, 2060..2281, 2061..2276, 2416..2541, 2416..2535, 2417..2542, 2418..2543, 2919..3011, 2923..3015, 2923..3015, 2924..3016, 3372..3647, 3395..3649, 3396..3650, 3398..3649, 3445..3663, 3601..3660, 4315..4389, 4316..4402, 4316..4402, 4317..4403, 5176..5304, 5177..5362, 5204..5305, 5528..5719, 5528..5719, 5530..5721, 5831..6043, 5844..6029, 5845..6030, 5849..6046		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o2.gs	Method	GENSCAN
Start	10506	End	23364
GI	none	Score	.7
Exons	10506..11019, 11696..11764, 11791..11958, 12499..12623, 12714..12785, 13088..13162, 13231..13293, 14430..14633, 15843..15926, 16409..16519, 16657..16728, 16838..16912, 16989..17114, 17520..17618, 17783..17896, 18634..18817, 19753..19898, 20336..20386, 20968..21048, 21122..21199, 21408..21497, 21667..21954, 23171..23364		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o3.tm	Method	TBLASTX:Maize
Start	10590	End	10866
GI	none	Score	372
Exons	10590..10850, 10600..10866		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o2.tc	Method	TBLASTX:Cress
Start	10593	End	10844
GI	none	Score	185
Exons	10593..10844, 10618..10839		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9

Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	10593	End	10847
GI	none	Score	223
Exons	10593..10847, 10612..10845		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o3.gp	Method	AAT/GAP
Start	11367	End	14451
GI	2882_1.R1084	Score	2292
Exons	11367..12001, 12102..12161, 12238..12306, 12384..12435, 12499..12623, 12714..12785, 13088..13162, 13231..13293, 13378..13479, 14430..14451		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	11914	End	17099
GI	none	Score	94
Exons	11914..11982, 11919..11993, 11919..11984, 11954..11992, 12094..12159, 12099..12161, 12100..12162, 12104..12190, 12233..12307, 12240..12302, 12241..12306, 12381..12434, 12383..12442, 12484..12672, 12498..12626, 12652..12786, 12694..12786, 12714..12797, 12723..12791, 13085..13162, 13089..13163, 13090..13170, 13092..13169, 13231..13293, 13232..13306, 13365..13478, 13371..13475, 13373..13480, 13375..13479, 14430..14540, 14434..14472, 14435..14539, 14487..14540, 15832..15927, 15836..15922, 15840..15944, 16403..16522, 16413..16520, 16651..16731, 16664..16729, 16833..16913, 16837..16914, 16838..16915, 16840..16914, 16948..17097, 16989..17099, 16989..17099		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	12134	End	13129
GI	none	Score	47
Exons	12134..12157, 12238..12288, 12238..12306, 12381..12434, 12382..12438, 12498..12626, 12498..12626, 12505..12654, 12714..12749, 13085..13129		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o5.ts	Method	TBLASTX:Soybean
Start	16842	End	17917
GI	none	Score	76
Exons	16842..16913, 16842..16913, 16864..16914, 16948..17106, 16989..17123, 17514..17624, 17527..17619, 17783..17914,		

17789..17917

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	16853	End	17917
GI	none	Score	52
Exons	16853..16897, 16854..16898, 16855..16929, 16987..17115, 16987..17118, 16989..17126, 16989..17123, 17520..17621, 17520..17621, 17524..17622, 17779..17898, 17780..17917, 17784..17897, 17788..17898		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o5.tm	Method	TBLASTX:Maize
Start	17520	End	18874
GI	none	Score	141
Exons	17520..17621, 17524..17619, 17780..17917, 17787..17897, 17812..17898, 18620..18751, 18634..18750, 18851..18874		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o4.ts	Method	TBLASTX:Soybean
Start	18608	End	21205
GI	none	Score	124
Exons	18608..18751, 18616..18750, 18849..18911, 18851..18913, 19185..19229, 19302..19349, 19302..19355, 19448..19528, 19449..19517, 19740..19850, 20336..20386, 20965..21108, 20966..21049, 21122..21205		

Seq. No.	29075	Seq. ID	OJ000250_39.0223.C9
Gene No.	60005	Strand	-
Start	10506	End	23364
Name	OJ000250_39.0223.C9.o4.tm	Method	TBLASTX:Maize
Start	23170	End	23332
GI	none	Score	123
Exons	23170..23268, 23171..23332, 23172..23330		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60006	Strand	+
Start	963	End	1419
Name	OJ000250_39.0223.C10.o1.gs	Method	GENSCAN
Start	963	End	1419
GI	none	Score	.92
Exons	963..1025, 1288..1419		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60007	Strand	+
Start	8318	End	10484
Name	OJ000250_39.0223.C10.o2.np	Method	AAT/NAP
Start	8312	End	10484
GI	2961375	Score	395
Exons	8312..8818, 10425..10484		
GI Descrip.	(AL022141) NAM like protein [Arabidopsis thaliana]		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60007	Strand	+
Start	8318	End	10484
Name	OJ000250_39.0223.C10.o4.gs	Method	GENSCAN
Start	8318	End	9281
GI	none	Score	.66
Exons	8318..9025, 9159..9281		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60008	Strand	+
Start	12150	End	20359
Name	OJ000250_39.0223.C10.o5.gs	Method	GENSCAN
Start	12150	End	20359
GI	none	Score	.7
Exons	12150..12325, 12951..13041, 13359..13537, 13643..14004, 14232..14530, 14622..14719, 14836..15256, 15346..15945, 16021..16200, 16394..16675, 16712..16834, 17091..17201, 17530..17648, 17738..17945, 18195..18464, 19966..20359		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60008	Strand	+
Start	12150	End	20359
Name	OJ000250_39.0223.C10.o3.np	Method	AAT/NAP
Start	13404	End	20103
GI	3882321	Score	537
Exons	13404..13427, 14887..15256, 15346..15600, 15637..15954, 16021..16200, 16304..16439, 16653..16889, 17031..17120, 17588..17648, 17738..17858, 18162..19298, 19966..20103		
GI Descrip.	(AB018343) KIAA0800 protein [Homo sapiens]		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60009	Strand	-
Start	2914	End	3755
Name	OJ000250_39.0223.C10.o2.gs	Method	GENSCAN
Start	2914	End	3755
GI	none	Score	.42
Exons	2914..3066, 3729..3755		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o1.np	Method	AAT/NAP
Start	4481	End	7491
GI	6587835	Score	873
Exons	4481..5595, 6977..7267, 7364..7491		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o1.ts	Method	TBLASTX:Soybean
Start	4481	End	5545
GI	none	Score	51
Exons	4481..4621, 4482..4613, 4622..4819, 4704..4832, 4844..5062, 4917..5027, 5075..5200, 5079..5171, 5258..5545, 5307..5519		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o2.tm	Method	TBLASTX:Maize
Start	4490	End	5539
GI	none	Score	81
Exons	4490..4831, 4844..5062, 4917..5018, 5075..5200, 5258..5386, 5375..5431, 5429..5539		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o1.tc	Method	TBLASTX:Cress
Start	4493	End	4834
GI	none	Score	271
Exons	4493..4834		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o1.tw	Method	TBLASTX:Wheat
Start	4496	End	4811
GI	none	Score	81
Exons	4496..4810, 4497..4610, 4704..4811		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o3.tc	Method	TBLASTX:Cress
Start	4917	End	7443
GI	none	Score	78
Exons	4917..5039, 4958..5062, 5075..5200, 5097..5135, 5258..5545, 5376..5525, 7082..7132, 7192..7266, 7366..7443		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o7.tm	Method	TBLASTX:Maize
Start	7067	End	10639
GI	none	Score	60
Exons	7067..7132, 7068..7133, 7135..7269, 7193..7267, 7358..7444, 7363..7449, 7441..7467, 10550..10639		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o2.tc	Method	TBLASTX:Cress
Start	8314	End	8806
GI	none	Score	114
Exons	8314..8412, 8339..8416, 8432..8473, 8510..8539, 8591..8623, 8657..8776, 8662..8799, 8780..8806		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o4.ts	Method	TBLASTX:Soybean
Start	8317	End	8806

GI	none	Score	97
Exons	8317..8406, 8321..8410, 8432..8515, 8437..8472, 8510..8545, 8591..8623, 8654..8746, 8662..8742, 8780..8806		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60010	Strand	-
Start	4481	End	10639
Name	OJ000250_39.0223.C10.o6.tm	Method	TBLASTX:Maize
Start	8345	End	8888
GI	none	Score	80
Exons	8345..8410, 8432..8518, 8510..8545, 8591..8623, 8657..8773, 8662..8739, 8780..8806, 8796..8888		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60011	Strand	
Start	16020	End	16474
Name	OJ000250_39.0223.C10.o5.ts	Method	TBLASTX:Soybean
Start	16020	End	16474
GI	none	Score	201
Exons	16020..16178, 16021..16176, 16304..16405, 16315..16371, 16349..16474, 16393..16455		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60012	Strand	
Start	17730	End	18104
Name	OJ000250_39.0223.C10.o5.tm	Method	TBLASTX:Maize
Start	17730	End	18104
GI	none	Score	306
Exons	17730..17972, 17730..18053, 17872..18054, 17893..18057, 17966..18055, 18075..18104		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60013	Strand	
Start	18387	End	18862
Name	OJ000250_39.0223.C10.o4.tm	Method	TBLASTX:Maize
Start	18387	End	18679
GI	none	Score	132
Exons	18387..18512, 18388..18513, 18389..18511, 18394..18513, 18509..18679, 18514..18678, 18515..18679		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60013	Strand	
Start	18387	End	18862
Name	OJ000250_39.0223.C10.o3.ts	Method	TBLASTX:Soybean
Start	18480	End	18862
GI	none	Score	48
Exons	18480..18512, 18509..18754, 18514..18753, 18736..18861, 18737..18862		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60014	Strand	
Start	18820	End	19136
Name	OJ000250_39.0223.C10.o3.tm	Method	TBLASTX:Maize
Start	18820	End	19136
GI	none	Score	154
Exons	18820..18936, 18821..18949, 18937..18972, 18939..18977, 18940..18978, 18970..19122, 18977..19123, 18984..19136		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60015	Strand	
Start	19060	End	20376
Name	OJ000250_39.0223.C10.o2.tw	Method	TBLASTX:Wheat
Start	19060	End	20082
GI	none	Score	345
Exons	19060..19299, 19064..19300, 19065..19298, 19963..20058, 19965..20060, 19965..20057, 20059..20082		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60015	Strand	
Start	19060	End	20376
Name	OJ000250_39.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	19176	End	20376
GI	none	Score	216
Exons	19176..19298, 19182..19298, 19963..20151, 19965..20117, 20120..20239, 20120..20245, 20124..20324, 20125..20331, 20288..20332, 20329..20370, 20332..20352, 20347..20376		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60015	Strand	
Start	19060	End	20376
Name	OJ000250_39.0223.C10.o2.ts	Method	TBLASTX:Soybean
Start	19963	End	20219
GI	none	Score	347
Exons	19963..20217, 19965..20219		

Seq. No.	29076	Seq. ID	OJ000250_39.0223.C10
Gene No.	60015	Strand	
Start	19060	End	20376
Name	OJ000250_39.0223.C10.o6.ts	Method	TBLASTX:Soybean
Start	20221	End	20376
GI	none	Score	185
Exons	20221..20376, 20221..20355		

Seq. No.	29077	Seq. ID	OJ000250_39.0223.C11
Gene No.	60016	Strand	+
Start	134	End	667
Name	OJ000250_39.0223.C11.o1.ts	Method	TBLASTX:Soybean
Start	4	End	458
GI	none	Score	201
Exons	4..162, 5..160, 288..389, 299..355, 333..458, 377..439		

Seq. No.	29077	Seq. ID	OJ000250_39.0223.C11
Gene No.	60016	Strand	+
Start	134	End	667
Name	OJ000250_39.0223.C11.o1.gs	Method	GENSCAN
Start	134	End	667
GI	none	Score	.9
Exons	134..184, 291..667		

Seq. No.	29078	Seq. ID	OJ000250_39.0223.C15
Gene No.	60017	Strand	-
Start	1	End	459
Name	OJ000250_39.0223.C15.o1.np	Method	AAT/NAP
Start	1	End	459

GI	2760328	Score	109
Exons	1..193, 275..459		
GI Descrip.	(AC002130) F1N21.13 [Arabidopsis thaliana]		

Seq. No.	29078	Seq. ID	OJ000250_39.0223.C15
Gene No.	60017	Strand	-
Start	1	End	459
Name	OJ000250_39.0223.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	196
GI	none	Score	174
Exons	1..195, 2..178, 2..196		

Seq. No.	29078	Seq. ID	OJ000250_39.0223.C15
Gene No.	60017	Strand	-
Start	1	End	459
Name	OJ000250_39.0223.C15.o1.gs	Method	GENSCAN
Start	51	End	411
GI	none	Score	.94
Exons	51..193, 272..411		

Seq. No.	29079	Seq. ID	OJ000250_35.0224.C1
Gene No.	60018	Strand	+
Start	1	End	787
Name	OJ000250_35.0224.C1.o1.np	Method	AAT/NAP
Start	1	End	787
GI	113666	Score	70
Exons	1..88, 694..787		
GI Descrip.	**** ALU CLASS A WARNING ENTRY ****		

Seq. No.	29080	Seq. ID	OJ000250_35.0224.C2
Gene No.	60019	Strand	-
Start	1	End	273
Name	OJ000250_35.0224.C2.o1.np	Method	AAT/NAP
Start	1	End	273
GI	2498930	Score	109
Exons	1..46, 214..273		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	29080	Seq. ID	OJ000250_35.0224.C2
Gene No.	60020	Strand	-
Start	214	End	273
Name	OJ000250_35.0224.C2.o1.gs	Method	GENSCAN
Start	214	End	273
GI	none	Score	.98
Exons	214..273		

Seq. No.	29081	Seq. ID	OJ000250_35.0224.C3
Gene No.	60021	Strand	-
Start	4566	End	5196
Name	OJ000250_35.0224.C3.o2.gs	Method	GENSCAN
Start	4566	End	5196
GI	none	Score	.56
Exons	4566..4756, 4865..5000, 5161..5196		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60022	Strand	+

Start	13355	End	13543
Name	OJ000250_35.0224.C4.o3.gs	Method	GENSCAN
Start	13355	End	13543
GI	none	Score	.83
Exons	13355..13543		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60023	Strand	+
Start	23179	End	23401
Name	OJ000250_35.0224.C4.o1.gp	Method	AAT/GAP
Start	23179	End	23401
GI	569001	Score	413
Exons	23179..23401		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60024	Strand	+
Start	27834	End	32269
Name	OJ000250_35.0224.C4.o4.np	Method	AAT/NAP
Start	27834	End	31278
GI	2618725	Score	75
Exons	27834..27881, 30726..30808, 31179..31278		
GI Descrip.	(U49074) IAA18 [Arabidopsis thaliana]		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60024	Strand	+
Start	27834	End	32269
Name	OJ000250_35.0224.C4.o2.gp	Method	AAT/GAP
Start	30167	End	30605
GI	2427254	Score	780
Exons	30167..30605		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60024	Strand	+
Start	27834	End	32269
Name	OJ000250_35.0224.C4.o3.gp	Method	AAT/GAP
Start	31147	End	32269
GI	3761166	Score	1062
Exons	31147..31239, 31334..31593, 31956..32269		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60025	Strand	-
Start	723	End	3612
Name	OJ000250_35.0224.C4.o1.gs	Method	GENSCAN
Start	723	End	3612
GI	none	Score	.47
Exons	723..784, 1644..1911, 2094..2449, 2568..3051, 3283..3612		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60025	Strand	-
Start	723	End	3612
Name	OJ000250_35.0224.C4.o1.np	Method	AAT/NAP
Start	724	End	2726
GI	5295971	Score	1139
Exons	724..784, 1248..2726		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60026	Strand	-
Start	4121	End	10888
Name	OJ000250_35.0224.C4.o2.gs	Method	GENSCAN
Start	4121	End	10888
GI	none	Score	.46
Exons	4121..4411, 4463..4623, 4717..4869, 4957..5173, 5334..5368, 5601..5718, 6303..6409, 8265..8389, 8762..8780, 9071..9179, 10847..10888		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60027	Strand	-
Start	17791	End	21413
Name	OJ000250_35.0224.C4.o4.gs	Method	GENSCAN
Start	17791	End	20547
GI	none	Score	.66
Exons	17791..19617, 19786..20547		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60027	Strand	-
Start	17791	End	21413
Name	OJ000250_35.0224.C4.o2.np	Method	AAT/NAP
Start	17797	End	21413
GI	2739382	Score	987
Exons	17797..19631, 19806..19921, 21353..21413		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o2.ts	Method	TBLASTX:Soybean
Start	1212	End	1860
GI	none	Score	64
Exons	1212..1400, 1214..1426, 1408..1695, 1433..1588, 1693..1860, 1762..1857		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o1.tc	Method	TBLASTX:Cress
Start	1220	End	1882
GI	none	Score	57
Exons	1220..1426, 1326..1427, 1474..1578, 1488..1577, 1588..1881, 1613..1882		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o7.tm	Method	TBLASTX:Maize
Start	1224	End	1605
GI	none	Score	85
Exons	1224..1448, 1262..1459, 1411..1599, 1435..1605		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185

Name	OJ000250_35.0224.C4.o3.tm	Method	TBLASTX:Maize
Start	1747	End	2174
GI	none	Score	95
Exons	1747..1998, 1751..1981, 2028..2159, 2028..2174		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o1.tw	Method	TBLASTX:Wheat
Start	2034	End	2574
GI	none	Score	107
Exons	2034..2243, 2229..2528, 2229..2573, 2443..2574		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o4.tm	Method	TBLASTX:Maize
Start	2256	End	2574
GI	none	Score	88
Exons	2256..2573, 2473..2574		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o3.ts	Method	TBLASTX:Soybean
Start	2259	End	2606
GI	5509260	Score	65
Exons	2259..2453, 2268..2606, 2452..2574		
GI Descrip.	-		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o4.tc	Method	TBLASTX:Cress
Start	2364	End	2607
GI	none	Score	99
Exons	2364..2600, 2413..2607		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o3.tw	Method	TBLASTX:Wheat
Start	2596	End	2922
GI	none	Score	221
Exons	2596..2922		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o8.tm	Method	TBLASTX:Maize
Start	2596	End	2914
GI	none	Score	81
Exons	2596..2910, 2798..2914		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185

Name	OJ000250_35.0224.C4.o4.ts	Method	TBLASTX:Soybean
Start	2728	End	3057
GI	none	Score	65
Exons	2728..3057, 2867..3025		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o4.tw	Method	TBLASTX:Wheat
Start	2995	End	3457
GI	none	Score	90
Exons	2995..3081, 3107..3208, 3202..3456, 3236..3457		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o7.ts	Method	TBLASTX:Soybean
Start	18007	End	18399
GI	none	Score	46
Exons	18007..18399, 18035..18088, 18179..18334		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o6.tc	Method	TBLASTX:Cress
Start	18013	End	18324
GI	none	Score	75
Exons	18013..18324, 18019..18186, 18035..18268		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o2.tm	Method	TBLASTX:Maize
Start	18040	End	18828
GI	none	Score	73
Exons	18040..18087, 18041..18088, 18079..18828, 18140..18325, 18383..18439		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o5.ts	Method	TBLASTX:Soybean
Start	18454	End	18825
GI	none	Score	44
Exons	18454..18801, 18544..18624, 18634..18825, 18665..18799		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o5.tc	Method	TBLASTX:Cress
Start	18490	End	18795
GI	none	Score	214
Exons	18490..18795		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185

Name	OJ000250_35.0224.C4.o3.np	Method	AAT/NAP
Start	21472	End	25175
GI	5923669	Score	1022
Exons	21472..21529, 22645..24744, 24850..25175		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o1.ts	Method	TBLASTX:Soybean
Start	22633	End	23080
GI	none	Score	163
Exons	22633..23079, 22634..23080		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o1.tm	Method	TBLASTX:Maize
Start	22639	End	25177
GI	none	Score	244
Exons	22639..23379, 22646..23275, 23041..23376, 23074..23478, 23320..23610, 23389..23610, 23680..24063, 23683..23916, 23731..23844, 23857..24282, 23986..24378, 23987..24307, 24019..24210, 24023..24292, 24175..24588, 24256..24573, 24272..24361, 24337..24675, 24404..24511, 24481..24879, 24559..24675, 24646..24972, 24781..25143, 24868..25176, 24884..25177, 24895..25062, 25087..25146		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o2.tc	Method	TBLASTX:Cress
Start	22810	End	25185
GI	none	Score	100
Exons	22810..22899, 22897..23496, 22916..23272, 23311..23532, 23333..23461, 23893..24360, 24241..24660, 24499..24804, 24811..25185, 24829..24984		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o2.tw	Method	TBLASTX:Wheat
Start	22942	End	25176
GI	none	Score	132
Exons	22942..23412, 22943..23398, 22999..23118, 23683..24006, 23926..24291, 24226..24618, 24847..25176		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60028	Strand	-
Start	21472	End	25185
Name	OJ000250_35.0224.C4.o6.ts	Method	TBLASTX:Soybean
Start	23095	End	25176
GI	none	Score	208
Exons	23095..23358, 23311..23610, 23920..24285, 24337..24600, 24511..24885, 24817..25176		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4

Gene No.	60029	Strand	
Start	36274	End	36704
Name	OJ000250_35.0224.C4.o5.tm	Method	TBLASTX:Maize
Start	36274	End	36640
GI	none	Score	78
Exons	36274..36366, 36276..36368, 36369..36524, 36377..36508, 36396..36524, 36495..36593, 36498..36593, 36548..36607, 36616..36639, 36617..36640		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60029	Strand	
Start	36274	End	36704
Name	OJ000250_35.0224.C4.o3.tc	Method	TBLASTX:Cress
Start	36380	End	36704
GI	none	Score	87
Exons	36380..36481, 36384..36518, 36393..36524, 36510..36704, 36537..36629, 36568..36696		

Seq. No.	29082	Seq. ID	OJ000250_35.0224.C4
Gene No.	60030	Strand	
Start	38146	End	38404
Name	OJ000250_35.0224.C4.o6.tm	Method	TBLASTX:Maize
Start	38146	End	38404
GI	none	Score	143
Exons	38146..38301, 38146..38403, 38153..38404		

Seq. No.	29083	Seq. ID	OJ000250_35.0224.C5
Gene No.	60031	Strand	+
Start	226	End	675
Name	OJ000250_35.0224.C5.o1.gs	Method	GENSCAN
Start	226	End	675
GI	none	Score	.94
Exons	226..357, 549..675		

Seq. No.	29083	Seq. ID	OJ000250_35.0224.C5
Gene No.	60032	Strand	-
Start	989	End	1269
Name	OJ000250_35.0224.C5.o2.gs	Method	GENSCAN
Start	989	End	1269
GI	none	Score	.82
Exons	989..1269		

Seq. No.	29084	Seq. ID	OJ000250_35.0224.C6
Gene No.	60033	Strand	-
Start	1	End	1347
Name	OJ000250_35.0224.C6.o1.np	Method	AAT/NAP
Start	1	End	1347
GI	4006915	Score	342
Exons	1..233, 475..723, 816..1347		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29084	Seq. ID	OJ000250_35.0224.C6
Gene No.	60033	Strand	-
Start	1	End	1347
Name	OJ000250_35.0224.C6.o1.gs	Method	GENSCAN
Start	81	End	1163
GI	none	Score	.72

Exons	81..233, 475..639, 840..1163		
Seq. No.	29084	Seq. ID	OJ000250_35.0224.C6
Gene No.	60033	Strand	-
Start	1	End	1347
Name	OJ000250_35.0224.C6.o1.tm	Method	TBLASTX:Maize
Start	840	End	1163
GI	none	Score	82
Exons	840..884, 945..1052, 1060..1161, 1074..1163, 1093..1161		
Seq. No.	29084	Seq. ID	OJ000250_35.0224.C6
Gene No.	60033	Strand	-
Start	1	End	1347
Name	OJ000250_35.0224.C6.o1.ts	Method	TBLASTX:Soybean
Start	894	End	1173
GI	none	Score	79
Exons	894..926, 963..1166, 978..1172, 1105..1173		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60034	Strand	+
Start	5304	End	15951
Name	OJ000250_35.0224.C7.o1.gs	Method	GENSCAN
Start	5304	End	15951
GI	none	Score	.48
Exons	5304..5309, 6223..6295, 7654..7809, 11550..11675, 12554..12734, 12838..12860, 13310..13573, 14725..14948, 15271..15379, 15474..15599, 15605..15951		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60035	Strand	+
Start	19527	End	20439
Name	OJ000250_35.0224.C7.o3.gs	Method	GENSCAN
Start	19527	End	20439
GI	none	Score	.55
Exons	19527..19654, 19797..19870, 19978..20126, 20191..20439		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60036	Strand	-
Start	14544	End	15945
Name	OJ000250_35.0224.C7.o1.np	Method	AAT/NAP
Start	14544	End	15945
GI	6815109	Score	942
Exons	14544..14638, 14779..15945		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60037	Strand	-
Start	22592	End	26414
Name	OJ000250_35.0224.C7.o2.np	Method	AAT/NAP
Start	22592	End	26414
GI	6539553	Score	6170
Exons	22592..26414		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o2.tw	Method	TBLASTX:Wheat
Start	22728	End	23204
GI	none	Score	293
Exons	22728..23114, 22729..23112, 22763..23122, 22766..23122, 22807..23127, 23115..23198, 23129..23203, 23133..23204		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o4.ts	Method	TBLASTX:Soybean
Start	22856	End	23197
GI	none	Score	89
Exons	22856..23065, 22880..23065, 23084..23197, 23091..23165		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o4.tm	Method	TBLASTX:Maize
Start	23060	End	23399
GI	none	Score	177
Exons	23060..23398, 23073..23288, 23075..23383, 23349..23399		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o3.ts	Method	TBLASTX:Soybean
Start	23210	End	23553
GI	none	Score	69
Exons	23210..23494, 23355..23498, 23503..23553, 23514..23540		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o3.tw	Method	TBLASTX:Wheat
Start	23503	End	23952
GI	none	Score	90
Exons	23503..23613, 23608..23952, 23632..23805		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o2.tm	Method	TBLASTX:Maize
Start	23506	End	23953
GI	none	Score	55
Exons	23506..23952, 23591..23701, 23635..23817, 23771..23953		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o1.ts	Method	TBLASTX:Soybean
Start	23623	End	24060
GI	5509260	Score	58
Exons	23623..24060, 23642..23701, 23774..23992		
GI Descrip.	-		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o1.tc	Method	TBLASTX:Cress
Start	23734	End	23994
GI	none	Score	87
Exons	23734..23994, 23822..23992		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o1.tw	Method	TBLASTX:Wheat
Start	24007	End	24760
GI	none	Score	310
Exons	24007..24462, 24007..24450, 24317..24451, 24442..24750, 24443..24760, 24450..24752		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o2.ts	Method	TBLASTX:Soybean
Start	24412	End	24808
GI	none	Score	38
Exons	24412..24450, 24455..24583, 24537..24575, 24584..24808, 24599..24793, 24630..24800		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o5.tm	Method	TBLASTX:Maize
Start	24596	End	25030
GI	none	Score	274
Exons	24596..25030		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o5.tw	Method	TBLASTX:Wheat
Start	24761	End	24955
GI	none	Score	177
Exons	24761..24955, 24761..24952		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o5.ts	Method	TBLASTX:Soybean
Start	24818	End	25204
GI	none	Score	86
Exons	24818..25066, 25049..25204		

Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o1.tm	Method	TBLASTX:Maize
Start	25167	End	25672
GI	none	Score	44

Exons	25167..25211, 25175..25210, 25183..25425, 25222..25425, 25226..25426, 25233..25427, 25416..25520, 25418..25540, 25419..25493, 25631..25672		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o3.tm	Method	TBLASTX:Maize
Start	25972	End	26285
GI	none	Score	273
Exons	25972..26277, 25974..26285		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o4.tw	Method	TBLASTX:Wheat
Start	26034	End	26420
GI	none	Score	237
Exons	26034..26420, 26035..26409		
Seq. No.	29085	Seq. ID	OJ000250_35.0224.C7
Gene No.	60038	Strand	-
Start	26642	End	27179
Name	OJ000250_35.0224.C7.o5.gs	Method	GENSCAN
Start	26642	End	27179
GI	none	Score	.94
Exons	26642..26849, 27027..27179		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60039	Strand	+
Start	106	End	745
Name	OJ000250_35.0224.C8.o1.gs	Method	GENSCAN
Start	106	End	745
GI	none	Score	.77
Exons	106..232, 522..745		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60040	Strand	+
Start	10230	End	14726
Name	OJ000250_35.0224.C8.o1.gp	Method	AAT/GAP
Start	10230	End	10855
GI	2310235	Score	289
Exons	10230..10267, 10716..10855		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60040	Strand	+
Start	10230	End	14726
Name	OJ000250_35.0224.C8.o4.gs	Method	GENSCAN
Start	10716	End	11474
GI	none	Score	.93
Exons	10716..11474		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60040	Strand	+
Start	10230	End	14726

Name	OJ000250_35.0224.C8.o2.gp	Method	AAT/GAP
Start	10724	End	14726
GI	342_1.R1084	Score	6789
Exons	10724..14726		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60040	Strand	+
Start	10230	End	14726
Name	OJ000250_35.0224.C8.o3.np	Method	AAT/NAP
Start	10727	End	14028
GI	4680203	Score	3262
Exons	10727..12390, 12544..12774, 13051..14028		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60040	Strand	+
Start	10230	End	14726
Name	OJ000250_35.0224.C8.o5.gs	Method	GENSCAN
Start	11846	End	14049
GI	none	Score	.88
Exons	11846..12169, 12223..14049		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60041	Strand	+
Start	14820	End	15163
Name	OJ000250_35.0224.C8.o4.np	Method	AAT/NAP
Start	14820	End	15163
GI	81286	Score	138
Exons	14820..15163		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60042	Strand	-
Start	2406	End	7372
Name	OJ000250_35.0224.C8.o2.gs	Method	GENSCAN
Start	2406	End	4790
GI	none	Score	.43
Exons	2406..2662, 3118..3397, 4051..4317, 4413..4790		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60042	Strand	-
Start	2406	End	7372
Name	OJ000250_35.0224.C8.o1.np	Method	AAT/NAP
Start	2768	End	4796
GI	6006887	Score	342
Exons	2768..2876, 3177..3397, 4051..4317, 4413..4796		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60042	Strand	-
Start	2406	End	7372
Name	OJ000250_35.0224.C8.o2.np	Method	AAT/NAP
Start	4021	End	7372
GI	100488	Score	414

Exons	4021..4070, 6599..7234, 7321..7372		
GI Descrip.	TNP2 protein - garden snapdragon		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o3.tm	Method	TBLASTX:Maize
Start	4413	End	5986
GI	none	Score	43
Exons	4413..4499, 4539..4619, 4576..4662, 4636..4791, 4638..4793, 5930..5986		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o2.ts	Method	TBLASTX:Soybean
Start	4458	End	6004
GI	none	Score	70
Exons	4458..4499, 4545..4787, 4563..4775, 4693..4791, 5930..6004		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o3.tc	Method	TBLASTX:Cress
Start	4548	End	6004
GI	none	Score	121
Exons	4548..4733, 4576..4734, 5930..6004		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o4.tw	Method	TBLASTX:Wheat
Start	6618	End	11418
GI	none	Score	100
Exons	6618..6824, 11067..11174, 11157..11408, 11165..11407, 11167..11418		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o1.ts	Method	TBLASTX:Soybean
Start	11339	End	11768
GI	none	Score	102
Exons	11339..11422, 11340..11414, 11475..11768, 11526..11750		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o2.tc	Method	TBLASTX:Cress
Start	11501	End	11816
GI	none	Score	274
Exons	11501..11653, 11508..11816, 11693..11785		
Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o2.tw	Method	TBLASTX:Wheat

Start	11636	End	12105
GI	none	Score	72
Exons	11636..11689, 11637..11690, 11691..11795, 11695..11784, 11702..11791, 11809..11895, 11810..11896, 11876..12100, 11896..12105, 11897..12100, 11899..12105		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o2.tm	Method	TBLASTX:Maize
Start	11694	End	12139
GI	none	Score	106
Exons	11694..11816, 11810..11935, 11945..12139		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o3.ts	Method	TBLASTX:Soybean
Start	11969	End	12193
GI	none	Score	211
Exons	11969..12193		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o3.tw	Method	TBLASTX:Wheat
Start	12246	End	12656
GI	none	Score	87
Exons	12246..12296, 12247..12309, 12295..12537, 12318..12497, 12565..12654, 12570..12656, 12571..12654		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o1.tw	Method	TBLASTX:Wheat
Start	12657	End	13974
GI	none	Score	337
Exons	12657..13382, 12657..13559, 12658..13575, 13570..13614, 13574..13609, 13617..13712, 13621..13680, 13659..13799, 13660..13800, 13813..13893, 13882..13974		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o1.tm	Method	TBLASTX:Maize
Start	12700	End	13014
GI	none	Score	315
Exons	12700..13014, 12711..13013		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o1.tc	Method	TBLASTX:Cress
Start	12941	End	13392
GI	none	Score	168
Exons	12941..13123, 12945..13382, 12945..13388, 12949..13392, 12955..13392		

Seq. No.	29086	Seq. ID	OJ000250_35.0224.C8
Gene No.	60043	Strand	-
Start	14766	End	15032
Name	OJ000250_35.0224.C8.o6.gs	Method	GENSCAN
Start	14766	End	15032
GI	none	Score	1
Exons	14766..15032		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60044	Strand	+
Start	54	End	7940
Name	OJ000250_35.0224.C9.o1.gs	Method	GENSCAN
Start	54	End	7940
GI	none	Score	.41
Exons	54..162, 367..440, 1302..2723, 3086..3318, 3363..3917, 4029..4175, 4296..4406, 4491..4563, 4666..4764, 4844..5022, 6617..6806, 7743..7940		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60044	Strand	+
Start	54	End	7940
Name	OJ000250_35.0224.C9.o1.np	Method	AAT/NAP
Start	1287	End	5016
GI	4680204	Score	1031
Exons	1287..2723, 2819..3917, 4029..4201, 4296..4496, 4860..5016		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o2.tw	Method	TBLASTX:Wheat
Start	1932	End	2333
GI	none	Score	219
Exons	1932..2168, 1932..2126, 2033..2173, 2163..2333, 2238..2333		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o3.tw	Method	TBLASTX:Wheat
Start	2334	End	3031
GI	none	Score	68
Exons	2334..2414, 2655..2729, 2810..3031		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o2.np	Method	AAT/NAP
Start	8777	End	11823
GI	5441880	Score	1621
Exons	8777..8979, 9096..9207, 9611..9961, 10199..10234, 10679..11626, 11770..11823		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9

Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o2.gs	Method	GENSCAN
Start	8835	End	14990
GI	none	Score	.71
Exons	8835..9012, 9096..9161, 9523..9598, 13521..13749, 14229..14495, 14700..14990		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o1.tw	Method	TBLASTX:Wheat
Start	10442	End	10816
GI	none	Score	79
Exons	10442..10621, 10475..10621, 10613..10816, 10670..10813		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o3.np	Method	AAT/NAP
Start	13408	End	15081
GI	6002712	Score	323
Exons	13408..13749, 14229..14423, 14556..15081		
GI Descrip.	(AF133053) S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase [Clarkia breweri]		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o1.tm	Method	TBLASTX:Maize
Start	14613	End	15026
GI	none	Score	42
Exons	14613..14705, 14748..14819, 14773..14865, 14835..15026, 14839..14991		

Seq. No.	29087	Seq. ID	OJ000250_35.0224.C9
Gene No.	60045	Strand	-
Start	8835	End	15081
Name	OJ000250_35.0224.C9.o1.ts	Method	TBLASTX:Soybean
Start	14658	End	14991
GI	none	Score	72
Exons	14658..14705, 14745..14987, 14775..14975, 14875..14991		

Seq. No.	29088	Seq. ID	OJ000250_35.0224.C10
Gene No.	60046	Strand	-
Start	235	End	307
Name	OJ000250_35.0224.C10.o1.gp	Method	AAT/GAP
Start	235	End	307
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	235..307		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	29089	Seq. ID	OJ000250_35.0224.C11
Gene No.	60047	Strand	+
Start	1	End	460

Name	OJ000250_35.0224.C11.o1.gp	Method	AAT/GAP
Start	1	End	460
GI	LIB3433-033-P1-K1-D7	Score	215
Exons	1..48, 384..460		
GI Descrip.	'531829 9.0e-10 (U12390) beta-galactosidase alpha peptide [cloning vector pSport1]'		

Seq. No.	29089	Seq. ID	OJ000250_35.0224.C11
Gene No.	60047	Strand	+
Start	1	End	460
Name	OJ000250_35.0224.C11.o2.gp	Method	AAT/GAP
Start	257	End	406
GI	jC-osleLIB3474037g11a1	Score	283
Exons	257..406		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	29090	Seq. ID	OJ000250_36.0222.C1
Gene No.	60048	Strand	+
Start	1	End	226
Name	OJ000250_36.0222.C1.o1.np	Method	AAT/NAP
Start	1	End	226
GI	6562297	Score	76
Exons	1..226		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	29090	Seq. ID	OJ000250_36.0222.C1
Gene No.	60048	Strand	+
Start	1	End	226
Name	OJ000250_36.0222.C1.o1.gs	Method	GENSCAN
Start	48	End	147
GI	none	Score	.95
Exons	48..147		

Seq. No.	29091	Seq. ID	OJ000250_36.0222.C11
Gene No.	60049	Strand	+
Start	294	End	391
Name	OJ000250_36.0222.C11.o1.gs	Method	GENSCAN
Start	294	End	391
GI	none	Score	.67
Exons	294..391		

Seq. No.	29092	Seq. ID	OJ000250_36.0222.C12
Gene No.	60050	Strand	+
Start	8	End	395
Name	OJ000250_36.0222.C12.o1.gs	Method	GENSCAN
Start	8	End	395
GI	none	Score	.41
Exons	8..96, 275..395		

Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.np	Method	AAT/NAP
Start	1	End	539
GI	5295971	Score	478
Exons	1..539		

GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.tc	Method	TBLASTX:Cress
Start	1	End	417
GI	none	Score	225
Exons	1..417		
Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	357
GI	none	Score	338
Exons	1..279, 21..302, 286..357, 297..353		
Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	453
GI	none	Score	382
Exons	1..453, 9..254, 10..453		
Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.gs	Method	GENSCAN
Start	4	End	310
GI	none	Score	.46
Exons	4..310		
Seq. No.	29093	Seq. ID	OJ000250_36.0222.C13
Gene No.	60051	Strand	+
Start	1	End	539
Name	OJ000250_36.0222.C13.o1.tw	Method	TBLASTX:Wheat
Start	18	End	360
GI	none	Score	128
Exons	18..188, 25..180, 193..360		
Seq. No.	29094	Seq. ID	OJ000250_36.0222.C17
Gene No.	60052	Strand	-
Start	1	End	564
Name	OJ000250_36.0222.C17.o1.np	Method	AAT/NAP
Start	1	End	564
GI	6466937	Score	266
Exons	1..564		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	29094	Seq. ID	OJ000250_36.0222.C17
Gene No.	60052	Strand	-
Start	1	End	564

Name	OJ000250_36.0222.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	234
GI	none	Score	74
Exons	1..234, 2..100		

Seq. No.	29094	Seq. ID	OJ000250_36.0222.C17
Gene No.	60052	Strand	-
Start	1	End	564
Name	OJ000250_36.0222.C17.o1.tm	Method	TBLASTX:Maize
Start	133	End	564
GI	none	Score	87
Exons	133..270, 223..366, 260..361, 324..395, 369..563, 385..564		

Seq. No.	29095	Seq. ID	OJ000250_36.0222.C18
Gene No.	60053	Strand	-
Start	324	End	541
Name	OJ000250_36.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	182	End	478
GI	none	Score	106
Exons	182..391, 200..391, 210..392, 437..478		

Seq. No.	29095	Seq. ID	OJ000250_36.0222.C18
Gene No.	60053	Strand	-
Start	324	End	541
Name	OJ000250_36.0222.C18.o1.gs	Method	GENSCAN
Start	324	End	541
GI	none	Score	.65
Exons	324..541		

Seq. No.	29096	Seq. ID	OJ000250_36.0222.C19
Gene No.	60054	Strand	+
Start	53	End	138
Name	OJ000250_36.0222.C19.o1.np	Method	AAT/NAP
Start	53	End	138
GI	6721561	Score	84
Exons	53..138		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	29097	Seq. ID	OJ000250_36.0222.C20
Gene No.	60055	Strand	-
Start	126	End	677
Name	OJ000250_36.0222.C20.o1.gs	Method	GENSCAN
Start	126	End	677
GI	none	Score	.48
Exons	126..296, 658..677		

Seq. No.	29098	Seq. ID	OJ000250_36.0222.C21
Gene No.	60056	Strand	+
Start	53	End	165
Name	OJ000250_36.0222.C21.o1.gs	Method	GENSCAN
Start	53	End	165
GI	none	Score	.59
Exons	53..165		

Seq. No.	29099	Seq. ID	OJ000250_36.0222.C23
Gene No.	60057	Strand	+
Start	463	End	556
Name	OJ000250_36.0222.C23.o1.gs	Method	GENSCAN
Start	463	End	556
GI	none	Score	.63
Exons	463..556		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o6.np	Method	AAT/NAP
Start	1	End	66675
GI	5917664	Score	198
Exons	1..196, 43374..43513, 44367..44489, 48679..49060, 53820..53875, 62808..62860, 66447..66675		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o1.gs	Method	GENSCAN
Start	549	End	639
GI	none	Score	.96
Exons	549..639		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o3.gs	Method	GENSCAN
Start	5734	End	19773
GI	none	Score	.42
Exons	5734..5875, 7584..7724, 11509..11533, 11867..11983, 13737..13792, 15524..15548, 15752..15870, 16022..16318, 17578..17935, 18034..18190, 18274..18344, 19013..19122, 19159..19230, 19337..19773		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o1.np	Method	AAT/NAP
Start	15272	End	18896
GI	6850312	Score	387
Exons	15272..15344, 17256..17388, 17469..17935, 18028..18202, 18292..18344, 18797..18896		
GI Descrip.	(AC009999) Contains similarity to nucellin from Hordeum vulgare gb|U87148. ESTs gb|T22068, gb|F14251, gb|F14237, gb|F14242 come from this gene. [Arabidopsis thaliana]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o5.np	Method	AAT/NAP
Start	34879	End	40883
GI	5852176	Score	2980
Exons	34879..35023, 35678..36208, 36284..36505, 37390..37593,		

37682..37853, 37908..38208, 38500..38665, 38763..38787,
39146..39269, 40854..40883

GI Descrip. (AL117265) zhb0006.1 [Oryza sativa]

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o9.gs	Method	GENSCAN
Start	35521	End	39542
GI	none	Score	.59
Exons	35521..36208, 36284..36540, 36635..37316, 37390..37593, 37682..38416, 38500..38740, 38763..38787, 39146..39338, 39442..39542		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o2.gp	Method	AAT/GAP
Start	44526	End	44779
GI	3762724	Score	461
Exons	44526..44779		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o12.gs	Method	GENSCAN
Start	48748	End	50456
GI	none	Score	.84
Exons	48748..49128, 49258..49414, 50215..50456		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o7.np	Method	AAT/NAP
Start	53887	End	61776
GI	5123720	Score	2548
Exons	53887..54094, 55334..55446, 55522..55614, 55779..55942, 56026..56262, 56437..56581, 56680..56858, 57695..57840, 57937..58064, 58139..58312, 58917..59078, 59158..59358, 59431..59568, 59672..59863, 60002..60146, 60273..60379, 60528..60668, 60972..61237, 61319..61443, 61541..61776		

GI Descrip. (AJ242965) stromalin protein [Arabidopsis thaliana]

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o14.gs	Method	GENSCAN
Start	55243	End	75248
GI	none	Score	.7
Exons	55243..55446, 55522..55614, 55779..55942, 56026..56262, 56437..56581, 56680..56858, 57695..57840, 57937..58064, 58139..58312, 58917..59078, 59158..59403, 59431..59568, 59672..59872, 60002..60146, 60273..60379, 60528..60668, 60972..61237, 61319..61443, 61541..61807, 62706..62860, 65469..65612, 67562..67693, 67759..67855, 68455..68531, 69499..69714, 70121..70252, 70578..70739, 70854..70998, 71207..71353, 71450..71522, 71699..71759, 72116..72226,		

72317..72790, 72870..72904, 73457..74011, 74891..75248

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o4.gp	Method	AAT/GAP
Start	61571	End	62091
GI	2798585	Score	723
Exons	61571..61807, 61948..62091		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o8.np	Method	AAT/NAP
Start	67498	End	74012
GI	4138131	Score	1053
Exons	67498..67693, 67759..67914, 68219..68302, 68406..68531, 69499..69714, 70121..70252, 70380..70475, 70578..70739, 70854..71144, 71231..71353, 71450..71523, 71678..71835, 72293..72790, 72870..72904, 73457..74012		
GI Descrip.	(AJ011828) NDX1 homeobox protein [Lotus japonicus]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o5.gp	Method	AAT/GAP
Start	72850	End	73846
GI	LIB3432-023-P1-K1-H9	Score	825
Exons	72850..72904, 73457..73846		
GI Descrip.	'4127878/emb|CAA09794| 2.0e-13 (AJ011831) NDX1 homeobox protein [Glycine max]'		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o9.np	Method	AAT/NAP
Start	75076	End	77334
GI	3687240	Score	884
Exons	75076..75102, 76290..76406, 76434..77334		
GI Descrip.	(AC005169) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60058	Strand	+
Start	1	End	77390
Name	OJ000250_36.0222.C24.o15.gs	Method	GENSCAN
Start	76182	End	77390
GI	none	Score	.98
Exons	76182..77390		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60059	Strand	+
Start	79265	End	84846
Name	OJ000250_36.0222.C24.o16.gs	Method	GENSCAN
Start	79265	End	84846
GI	none	Score	.69
Exons	79265..79566, 80035..80218, 80781..81227, 81976..82058,		

82462..82765, 84001..84025, 84683..84846

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60059	Strand	+
Start	79265	End	84846
Name	OJ000250_36.0222.C24.o10.np	Method	AAT/NAP
Start	80033	End	81272
GI	4406761	Score	917
Exons	80033..80218, 80781..81272		
GI Descrip.	(AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60059	Strand	+
Start	79265	End	84846
Name	OJ000250_36.0222.C24.o6.gp	Method	AAT/GAP
Start	80865	End	81576
GI	32010_1.R1084	Score	1199
Exons	80865..81576		
GI Descrip.	'4406761/gb|AAD20072| 2.0e-42 (AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]'		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60060	Strand	+
Start	87071	End	88028
Name	OJ000250_36.0222.C24.o18.gs	Method	GENSCAN
Start	87071	End	88028
GI	none	Score	.45
Exons	87071..87195, 87428..87528, 87892..88028		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60061	Strand	-
Start	3660	End	4331
Name	OJ000250_36.0222.C24.o2.gs	Method	GENSCAN
Start	3660	End	4331
GI	none	Score	.52
Exons	3660..3938, 4308..4331		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o4.np	Method	AAT/NAP
Start	15280	End	56874
GI	5917664	Score	179
Exons	15280..15413, 20822..20895, 21133..21387, 27209..27319, 30316..30525, 30894..30962, 46315..46387, 56595..56874		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o4.gs	Method	GENSCAN
Start	20507	End	21645
GI	none	Score	.49
Exons	20507..20818, 20956..21645		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24

Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o1.gp	Method	AAT/GAP
Start	23573	End	27393
GI	551_1.R1084	Score	1477
Exons	23573..23660, 24086..24175, 24287..24447, 24566..24694, 24797..24891, 24995..25068, 25418..25553, 27248..27393		
GI Descrip.	'729205/sp|Q06397|CR18_ORYSA 1.0e-93 18 KD COLD-INDUCED PROTEIN >gi_287397_dbj_BAA01631_ (D10860) chilling tolerance related protein [Oryza sativa] >gi_445132_prf__1908434B chilling tolerance-related protein:ISOTYPE=pBC442 [Oryza sativa]'		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o5.gs	Method	GENSCAN
Start	23752	End	27891
GI	none	Score	.88
Exons	23752..23765, 23984..24146, 24566..24694, 24798..24891, 25554..25650, 27248..27667, 27777..27891		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o3.np	Method	AAT/NAP
Start	24284	End	25066
GI	729205	Score	654
Exons	24284..24447, 24566..24684, 24784..24890, 24995..25066		
GI Descrip.	18 KD COLD-INDUCED PROTEIN gi|287397|dbj|BAA01631| (D10860) chilling tolerance related protein [Oryza sativa] gi|445132|prf||1908434B chilling tolerance-related protein:ISOTYPE=pBC442 [Oryza sativa]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o10.gs	Method	GENSCAN
Start	41010	End	44567
GI	none	Score	.8
Exons	41010..41109, 42040..42146, 43159..43269, 43304..43443, 44243..44567		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60062	Strand	-
Start	15280	End	56874
Name	OJ000250_36.0222.C24.o3.gp	Method	AAT/GAP
Start	49527	End	50053
GI	none	Score	1006
Exons	49527..50053		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60063	Strand	-
Start	84993	End	86692
Name	OJ000250_36.0222.C24.o17.gs	Method	GENSCAN
Start	84993	End	85670
GI	none	Score	.93
Exons	84993..85446, 85651..85670		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60063	Strand	-
Start	84993	End	86692
Name	OJ000250_36.0222.C24.o11.np	Method	AAT/NAP
Start	85066	End	86692
GI	6900306	Score	299
Exons	85066..85469, 86671..86692		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60064	Strand	-
Start	94630	End	95460
Name	OJ000250_36.0222.C24.o20.gs	Method	GENSCAN
Start	94630	End	95460
GI	none	Score	.97
Exons	94630..95006, 95412..95460		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60064	Strand	-
Start	94630	End	95460
Name	OJ000250_36.0222.C24.o12.np	Method	AAT/NAP
Start	94641	End	94968
GI	6900306	Score	183
Exons	94641..94968		
GI Descrip.	(AJ250282) putative acid phosphatase [Hordeum vulgare]		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o4.tm	Method	TBLASTX:Maize
Start	17260	End	17924
GI	none	Score	130
Exons	17260..17376, 17472..17714, 17744..17920, 17757..17924		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o1.tm	Method	TBLASTX:Maize
Start	24049	End	25599
GI	none	Score	36
Exons	24049..24120, 24057..24107, 24112..24174, 24119..24181, 24265..24453, 24287..24448, 24306..24452, 24565..24690, 24566..24691, 24567..24704, 24788..24868, 24795..24890, 24796..24894, 24796..24891, 24994..25113, 24995..25066, 25415..25552, 25416..25553, 25417..25599		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o1.ts	Method	TBLASTX:Soybean
Start	24313	End	25552
GI	none	Score	110
Exons	24313..24453, 24314..24445, 24391..24453, 24402..24464, 24558..24638, 24565..24636, 24566..24691, 24576..24686, 24783..24890, 24790..24894, 24994..25095, 25415..25552		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o7.tc	Method	TBLASTX:Cress
Start	24795	End	25552
GI	none	Score	95
Exons	24795..24890, 24814..24894, 24994..25071, 24995..25069, 25415..25552, 25422..25550		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o10.tm	Method	TBLASTX:Maize
Start	27470	End	100322
GI	none	Score	130
Exons	27470..27613, 100125..100229, 100178..100228, 100218..100322, 100220..100300		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o5.tc	Method	TBLASTX:Cress
Start	35581	End	37881
GI	none	Score	88
Exons	35581..35694, 36280..36507, 36644..36871, 36646..36813, 36911..37324, 37684..37881		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o9.ts	Method	TBLASTX:Soybean
Start	37669	End	37881
GI	none	Score	155
Exons	37669..37794, 37672..37785, 37801..37881		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o17.tm	Method	TBLASTX:Maize
Start	37684	End	37881
GI	none	Score	198
Exons	37684..37881		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o2.tw	Method	TBLASTX:Wheat
Start	37684	End	37923
GI	none	Score	234
Exons	37684..37923, 37686..37820		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o18.tm	Method	TBLASTX:Maize
Start	48724	End	48930
GI	none	Score	156

Exons	48724..48858, 48738..48854, 48888..48929, 48889..48930		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o12.tm	Method	TBLASTX:Maize
Start	55336	End	55614
GI	none	Score	141
Exons	55336..55446, 55338..55412, 55340..55447, 55344..55454, 55514..55606, 55519..55614, 55521..55613		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o8.tc	Method	TBLASTX:Cress
Start	55519	End	56068
GI	none	Score	84
Exons	55519..55611, 55778..55942, 55779..55940, 55789..55941, 55991..56068		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o3.ts	Method	TBLASTX:Soybean
Start	56099	End	56775
GI	none	Score	158
Exons	56099..56263, 56125..56265, 56437..56580, 56438..56581, 56679..56774, 56679..56774, 56680..56775		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o15.tm	Method	TBLASTX:Maize
Start	57945	End	58094
GI	none	Score	202
Exons	57945..58094, 57947..58066		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o6.tm	Method	TBLASTX:Maize
Start	58166	End	59549
GI	none	Score	221
Exons	58166..58312, 58170..58313, 58171..58314, 58204..58314, 58914..59117, 58914..59135, 59155..59358, 59155..59358, 59157..59360, 59398..59547, 59400..59549, 59430..59549		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o7.ts	Method	TBLASTX:Soybean
Start	58914	End	59258
GI	none	Score	160
Exons	58914..59078, 58931..59074, 59155..59256, 59187..59258		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-

Start	102278	End	102459
Name	OJ000250_36.0222.C24.o13.tm	Method	TBLASTX:Maize
Start	60049	End	61121
GI	none	Score	136
Exons	60049..60141, 60050..60142, 60054..60149, 60059..60142, 60269..60379, 60292..60390, 60303..60329, 60308..60379, 60331..60381, 60525..60668, 60526..60669, 60527..60670, 60527..60667, 60947..61120, 60971..61102, 60975..61121, 60975..61121		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o4.tc	Method	TBLASTX:Cress
Start	60269	End	61433
GI	none	Score	116
Exons	60269..60379, 60525..60632, 61038..61238, 61049..61237, 61326..61433		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o9.tm	Method	TBLASTX:Maize
Start	61122	End	61604
GI	none	Score	146
Exons	61122..61238, 61125..61235, 61127..61240, 61315..61440, 61320..61439, 61325..61441, 61370..61441, 61540..61599, 61572..61604		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o16.tm	Method	TBLASTX:Maize
Start	67755	End	68299
GI	none	Score	35
Exons	67755..67772, 67757..67774, 67770..67916, 67770..67916, 67771..67917, 68201..68299, 68212..68286, 68216..68287		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o8.ts	Method	TBLASTX:Soybean
Start	70208	End	73961
GI	none	Score	53
Exons	70208..70255, 70380..70478, 70380..70535, 70572..70610, 70576..70611, 70633..70722, 70637..70759, 70638..70730, 70863..70967, 70892..70948, 71044..71142, 71045..71149, 72620..72787, 72655..72789, 72855..72905, 73749..73961, 73757..73960		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o19.tm	Method	TBLASTX:Maize
Start	71235	End	72558
GI	none	Score	137
Exons	71235..71354, 71236..71355, 71447..71485, 71449..71517,		

71487..71546, 72123..72170, 72196..72228, 72197..72226,
72294..72338, 72302..72355, 72370..72480, 72383..72484,
72508..72558, 72522..72557

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o11.tm	Method	TBLASTX:Maize
Start	72629	End	73705
GI	none	Score	205
Exons	72629..72790, 72629..72760, 72643..72792, 72652..72789, 72855..72905, 73446..73505, 73455..73502, 73515..73547, 73529..73654, 73530..73625, 73568..73627, 73645..73692, 73646..73705, 73647..73703		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o1.tw	Method	TBLASTX:Wheat
Start	72695	End	73775
GI	none	Score	131
Exons	72695..72790, 72695..72754, 72700..72789, 72712..72807, 72855..72905, 72869..72904, 73446..73637, 73447..73638, 73468..73638, 73502..73645, 73538..73645, 73636..73647, 73698..73775, 73712..73774		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o7.tm	Method	TBLASTX:Maize
Start	73748	End	74009
GI	none	Score	101
Exons	73748..73819, 73749..73823, 73835..74008, 73836..74009		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o14.tm	Method	TBLASTX:Maize
Start	76269	End	76607
GI	none	Score	114
Exons	76269..76403, 76452..76607		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o2.ts	Method	TBLASTX:Soybean
Start	76485	End	77195
GI	none	Score	46
Exons	76485..76550, 76533..76724, 76605..76859, 76731..77096, 76953..77126, 77094..77195		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o2.tc	Method	TBLASTX:Cress
Start	76521	End	77171
GI	none	Score	113

Exons	76521..76781, 76791..77171		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o3.tw	Method	TBLASTX:Wheat
Start	76602	End	77000
GI	none	Score	106
Exons	76602..76724, 76616..76705, 76683..76859, 76734..76859, 76760..76858, 76877..76957, 76878..76958, 76881..76931, 76893..77000		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o2.tm	Method	TBLASTX:Maize
Start	76608	End	77096
GI	none	Score	113
Exons	76608..76787, 76757..76852, 76758..76865, 76809..77018, 76820..77008, 76856..77095, 76857..77096		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o8.tm	Method	TBLASTX:Maize
Start	80021	End	80862
GI	none	Score	87
Exons	80021..80221, 80022..80114, 80033..80218, 80764..80856, 80778..80861, 80780..80860, 80785..80862		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o6.tc	Method	TBLASTX:Cress
Start	80036	End	80221
GI	none	Score	225
Exons	80036..80221, 80047..80220		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o6.ts	Method	TBLASTX:Soybean
Start	80036	End	80870
GI	none	Score	230
Exons	80036..80218, 80051..80218, 80817..80870		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o1.tc	Method	TBLASTX:Cress
Start	80898	End	81263
GI	none	Score	406
Exons	80898..81260, 80982..81263, 80993..81253		
Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459

Name	OJ000250_36.0222.C24.o3.tm	Method	TBLASTX:Maize
Start	80943	End	81283
GI	none	Score	399
Exons	80943..81281, 80948..81247, 80958..81278, 80993..81283		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o4.ts	Method	TBLASTX:Soybean
Start	81026	End	81260
GI	none	Score	309
Exons	81026..81253, 81027..81260, 81030..81257		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o3.tc	Method	TBLASTX:Cress
Start	85078	End	102433
GI	none	Score	73
Exons	85078..85194, 85080..85226, 85236..85451, 85252..85440, 102284..102433, 102288..102407		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o5.ts	Method	TBLASTX:Soybean
Start	85080	End	102428
GI	none	Score	98
Exons	85080..85208, 85084..85227, 85236..85478, 85246..85440, 94655..94696, 94717..94791, 94721..94780, 94903..94986, 102285..102428, 102287..102421		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o5.tm	Method	TBLASTX:Maize
Start	85111	End	102458
GI	none	Score	101
Exons	85111..85200, 85116..85205, 85122..85211, 85214..85426, 85227..85436, 85228..85437, 85241..85441, 94711..94896, 94721..94834, 94870..94968, 94905..94970, 102324..102458, 102326..102457		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o8.gp	Method	AAT/GAP
Start	102032	End	102459
GI	87186_1.R1084	Score	800
Exons	102032..102459		
GI Descrip.	'1816410/dbj|BAA19152| 3.0e-18 (AB000585) pod storage protein [Phaseolus vulgaris]'		

Seq. No.	29100	Seq. ID	OJ000250_36.0222.C24
Gene No.	60065	Strand	-
Start	102278	End	102459
Name	OJ000250_36.0222.C24.o22.gs	Method	GENSCAN

Start	102278	End	102451
GI	none	Score	.71
Exons	102278..102451		

Seq. No.	29101	Seq. ID	OJ000250_36.0222.C25
Gene No.	60066	Strand	+
Start	101	End	194
Name	OJ000250_36.0222.C25.o1.gs	Method	GENSCAN
Start	101	End	194
GI	none	Score	.4
Exons	101..194		

Seq. No.	29102	Seq. ID	OJ000250_36.0222.C26
Gene No.	60067	Strand	-
Start	19	End	452
Name	OJ000250_36.0222.C26.o1.gs	Method	GENSCAN
Start	19	End	452
GI	none	Score	.82
Exons	19..39, 371..452		

Seq. No.	29103	Seq. ID	OJ000250_36.0222.C27
Gene No.	60068	Strand	+
Start	236	End	414
Name	OJ000250_36.0222.C27.o1.gs	Method	GENSCAN
Start	236	End	390
GI	none	Score	.9
Exons	236..390		

Seq. No.	29103	Seq. ID	OJ000250_36.0222.C27
Gene No.	60068	Strand	+
Start	236	End	414
Name	OJ000250_36.0222.C27.o1.np	Method	AAT/NAP
Start	236	End	414
GI	2688828	Score	79
Exons	236..414		
GI Descrip.	(U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60069	Strand	
Start	39	End	268
Name	OJ000250_30.0223.C1.o1.ts	Method	TBLASTX:Soybean
Start	39	End	265
GI	none	Score	239
Exons	39..263, 40..246, 41..265		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60069	Strand	
Start	39	End	268
Name	OJ000250_30.0223.C1.o2.tw	Method	TBLASTX:Wheat
Start	71	End	268
GI	none	Score	327
Exons	71..268, 71..268		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60070	Strand	
Start	494	End	831

Name	OJ000250_30.0223.C1.o1.tc	Method	TBLASTX:Cress
Start	494	End	831
GI	none	Score	266
Exons	494..739, 497..739, 778..831, 779..829		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60070	Strand	
Start	494	End	831
Name	OJ000250_30.0223.C1.o1.tm	Method	TBLASTX:Maize
Start	548	End	831
GI	none	Score	364
Exons	548..763, 548..802, 763..831, 764..829, 765..830		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60071	Strand	
Start	783	End	1063
Name	OJ000250_30.0223.C1.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1063
GI	none	Score	457
Exons	783..1061, 783..1061, 784..1062, 785..1063		

Seq. No.	29104	Seq. ID	OJ000250_30.0223.C1
Gene No.	60071	Strand	
Start	783	End	1063
Name	OJ000250_30.0223.C1.o2.tc	Method	TBLASTX:Cress
Start	870	End	1059
GI	none	Score	66
Exons	870..926, 870..923, 871..927, 872..928, 929..1057, 930..1058, 930..1058, 931..1059		

Seq. No.	29105	Seq. ID	OJ000250_30.0223.C2
Gene No.	60072	Strand	
Start	1	End	459
Name	OJ000250_30.0223.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	223
GI	none	Score	380
Exons	1..222, 2..223, 2..223, 22..66, 23..67		

Seq. No.	29105	Seq. ID	OJ000250_30.0223.C2
Gene No.	60072	Strand	
Start	1	End	459
Name	OJ000250_30.0223.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	385
GI	none	Score	368
Exons	1..222, 2..223, 3..221, 22..66, 23..67, 63..101, 290..370, 291..371, 292..384, 293..385		

Seq. No.	29105	Seq. ID	OJ000250_30.0223.C2
Gene No.	60072	Strand	
Start	1	End	459
Name	OJ000250_30.0223.C2.o1.tc	Method	TBLASTX:Cress
Start	122	End	459
GI	none	Score	36
Exons	122..151, 136..207, 143..208, 158..220, 174..221, 290..457, 291..371, 292..459, 293..457, 420..458		

Seq. No.	29105	Seq. ID	OJ000250_30.0223.C2

Gene No.	60072	Strand	
Start	1	End	459
Name	OJ000250_30.0223.C2.o2.tm	Method	TBLASTX:Maize
Start	291	End	442
GI	none	Score	152
Exons	291..374, 292..441, 293..442		

Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60073	Strand	+
Start	347	End	816
Name	OJ000250_30.0223.C3.o2.ts	Method	TBLASTX:Soybean
Start	1	End	351
GI	none	Score	60
Exons	1..33, 3..38, 3..38, 28..129, 122..184, 135..188, 266..301, 312..350	36..131, 37..129, 119..184, 267..302, 305..349, 307..351,	

Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60073	Strand	+
Start	347	End	816
Name	OJ000250_30.0223.C3.o2.tc	Method	TBLASTX:Cress
Start	36	End	384
GI	none	Score	129
Exons	36..131, 38..130, 119..205, 135..206, 235..288, 237..284, 258..299, 260..304, 290..319, 297..383, 299..382, 307..384, 337..384		

Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60073	Strand	+
Start	347	End	816
Name	OJ000250_30.0223.C3.o1.tm	Method	TBLASTX:Maize
Start	39	End	550
GI	none	Score	301
Exons	39..230, 39..230, 41..235, 223..303, 237..299, 240..320, 249..548, 278..550, 278..550		

Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60073	Strand	+
Start	347	End	816
Name	OJ000250_30.0223.C3.o1.gp	Method	AAT/GAP
Start	347	End	816
GI	uC-osflcyp097b05b1	Score	907
Exons	347..816		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60074	Strand	
Start	762	End	1006
Name	OJ000250_30.0223.C3.o1.ts	Method	TBLASTX:Soybean
Start	762	End	1006
GI	none	Score	199

Exons	762..893, 762..899, 763..894, 883..939, 884..937, 945..1004, 946..1005, 946..1005, 947..1006		
Seq. No.	29106	Seq. ID	OJ000250_30.0223.C3
Gene No.	60075	Strand	
Start	1025	End	1412
Name	OJ000250_30.0223.C3.o1.tc	Method	TBLASTX:Cress
Start	1025	End	1412
GI	none	Score	80
Exons	1025..1054, 1053..1142, 1055..1144, 1056..1145, 1120..1410, 1141..1410, 1146..1412		
Seq. No.	29107	Seq. ID	OJ000250_30.0223.C4
Gene No.	60076	Strand	
Start	173	End	377
Name	OJ000250_30.0223.C4.o1.tc	Method	TBLASTX:Cress
Start	173	End	377
GI	none	Score	188
Exons	173..376, 176..325, 210..377		
Seq. No.	29108	Seq. ID	OJ000250_30.0223.C5
Gene No.	60077	Strand	
Start	1	End	403
Name	OJ000250_30.0223.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	403
GI	none	Score	95
Exons	1..66, 2..67, 3..68, 52..111, 53..109, 57..131, 58..162, 137..166, 167..283, 168..305, 185..307, 263..325, 263..325, 332..403, 332..403		
Seq. No.	29108	Seq. ID	OJ000250_30.0223.C5
Gene No.	60077	Strand	
Start	1	End	403
Name	OJ000250_30.0223.C5.o1.tw	Method	TBLASTX:Wheat
Start	106	End	403
GI	none	Score	57
Exons	106..165, 137..166, 155..247, 160..246, 168..248, 168..251, 222..293, 240..281, 241..303, 242..331, 242..292, 251..325, 267..338, 332..403, 332..403		
Seq. No.	29109	Seq. ID	OJ000250_30.0223.C6
Gene No.	60078	Strand	
Start	2	End	254
Name	OJ000250_30.0223.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	254
GI	none	Score	164
Exons	2..157, 2..187, 3..254, 34..189, 185..253		
Seq. No.	29109	Seq. ID	OJ000250_30.0223.C6
Gene No.	60079	Strand	
Start	213	End	353
Name	OJ000250_30.0223.C6.o1.tc	Method	TBLASTX:Cress
Start	213	End	353
GI	none	Score	229
Exons	213..353, 215..352		
Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7

Gene No.	60080	Strand	
Start	158	End	357
Name	OJ000250_30.0223.C7.o3.ts	Method	TBLASTX:Soybean
Start	158	End	357
GI	none	Score	205
Exons	158..355, 173..355, 268..357		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60081	Strand	
Start	310	End	795
Name	OJ000250_30.0223.C7.o1.tm	Method	TBLASTX:Maize
Start	310	End	576
GI	none	Score	407
Exons	310..576, 311..574		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60081	Strand	
Start	310	End	795
Name	OJ000250_30.0223.C7.o1.tw	Method	TBLASTX:Wheat
Start	408	End	795
GI	none	Score	46
Exons	408..434, 409..435, 430..795, 431..700		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60081	Strand	
Start	310	End	795
Name	OJ000250_30.0223.C7.o2.ts	Method	TBLASTX:Soybean
Start	495	End	700
GI	none	Score	109
Exons	495..620, 502..627, 506..622, 614..700, 616..693		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60082	Strand	
Start	764	End	1317
Name	OJ000250_30.0223.C7.o1.ts	Method	TBLASTX:Soybean
Start	764	End	1317
GI	none	Score	319
Exons	764..835, 965..1198, 975..1316, 975..1313, 976..1317		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60082	Strand	
Start	764	End	1317
Name	OJ000250_30.0223.C7.o1.tc	Method	TBLASTX:Cress
Start	974	End	1299
GI	none	Score	209
Exons	974..1204, 974..1198, 975..1298, 976..1299, 1264..1299		

Seq. No.	29110	Seq. ID	OJ000250_30.0223.C7
Gene No.	60083	Strand	
Start	1527	End	1676
Name	OJ000250_30.0223.C7.o2.tm	Method	TBLASTX:Maize
Start	1527	End	1676
GI	none	Score	201
Exons	1527..1676, 1529..1675		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60084	Strand	

Start	196	End	1243
Name	OJ000250_30.0223.C8.o3.ts	Method	TBLASTX:Soybean
Start	196	End	1243
GI	none	Score	72
Exons	196..294, 214..291, 552..587, 614..667, 620..664, 705..1007, 727..1008, 740..1018, 1056..1100, 1060..1101, 1100..1243, 1101..1226, 1103..1237		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60084	Strand	
Start	196	End	1243
Name	OJ000250_30.0223.C8.o1.tw	Method	TBLASTX:Wheat
Start	483	End	719
GI	none	Score	78
Exons	483..530, 484..534, 484..534, 530..619, 538..609, 618..665, 621..671, 622..675, 623..676, 675..719, 675..719		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60084	Strand	
Start	196	End	1243
Name	OJ000250_30.0223.C8.o1.tm	Method	TBLASTX:Maize
Start	489	End	936
GI	none	Score	575
Exons	489..905, 489..905, 490..906, 490..906, 877..936		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60084	Strand	
Start	196	End	1243
Name	OJ000250_30.0223.C8.o4.tc	Method	TBLASTX:Cress
Start	726	End	1243
GI	none	Score	213
Exons	726..929, 726..929, 727..930, 877..936, 924..1013, 925..1002, 1083..1100, 1100..1243, 1101..1241		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60085	Strand	
Start	1244	End	1550
Name	OJ000250_30.0223.C8.o5.ts	Method	TBLASTX:Soybean
Start	1244	End	1519
GI	none	Score	270
Exons	1244..1519, 1251..1487, 1423..1518		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60085	Strand	
Start	1244	End	1550
Name	OJ000250_30.0223.C8.o5.tc	Method	TBLASTX:Cress
Start	1269	End	1550
GI	none	Score	106
Exons	1269..1343, 1269..1382, 1276..1389, 1276..1389, 1277..1390, 1389..1550, 1391..1549		

Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60086	Strand	
Start	1473	End	2090
Name	OJ000250_30.0223.C8.o3.tm	Method	TBLASTX:Maize
Start	1473	End	1916
GI	none	Score	163

Exons	1473..1667, 1529..1666, 1761..1916, 1775..1915		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60086	Strand	
Start	1473	End	2090
Name	OJ000250_30.0223.C8.o2.ts	Method	TBLASTX:Soybean
Start	1520	End	2021
GI	none	Score	722
Exons	1520..1945, 1521..2021, 1982..2020		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60086	Strand	
Start	1473	End	2090
Name	OJ000250_30.0223.C8.o1.tc	Method	TBLASTX:Cress
Start	1551	End	2090
GI	none	Score	48
Exons	1551..1661, 1632..2045, 1636..1926, 1640..2089, 1643..2023, 1647..2090		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60087	Strand	
Start	2142	End	2672
Name	OJ000250_30.0223.C8.o2.tc	Method	TBLASTX:Cress
Start	2142	End	2600
GI	none	Score	586
Exons	2142..2600, 2144..2497		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60087	Strand	
Start	2142	End	2672
Name	OJ000250_30.0223.C8.o2.tm	Method	TBLASTX:Maize
Start	2223	End	2672
GI	none	Score	633
Exons	2223..2645, 2223..2672		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60087	Strand	
Start	2142	End	2672
Name	OJ000250_30.0223.C8.o4.ts	Method	TBLASTX:Soybean
Start	2301	End	2555
GI	none	Score	317
Exons	2301..2552, 2303..2491, 2317..2547, 2319..2555, 2422..2553		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60088	Strand	
Start	2816	End	3772
Name	OJ000250_30.0223.C8.o3.tc	Method	TBLASTX:Cress
Start	2816	End	3453
GI	none	Score	268
Exons	2816..3046, 2816..2998, 2818..3045, 3062..3148, 3085..3162, 3087..3176, 3246..3443, 3247..3444, 3275..3442, 3275..3451, 3322..3453		
Seq. No.	29111	Seq. ID	OJ000250_30.0223.C8
Gene No.	60088	Strand	
Start	2816	End	3772
Name	OJ000250_30.0223.C8.o1.ts	Method	TBLASTX:Soybean

Start	2817	End	3772
GI	none	Score	90
Exons	2817..2903, 2817..2900, 2818..3189, 2819..3193, 2935..3201, 3244..3444, 3278..3442, 3302..3481, 3322..3486, 3481..3675, 3484..3678, 3485..3685, 3683..3772, 3735..3767, 3736..3771		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60089	Strand	
Start	1306	End	1634
Name	OJ000250_30.0223.C9.o1.tc	Method	TBLASTX:Cress
Start	1306	End	1634
GI	none	Score	320
Exons	1306..1371, 1320..1634, 1321..1620		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60089	Strand	
Start	1306	End	1634
Name	OJ000250_30.0223.C9.o2.ts	Method	TBLASTX:Soybean
Start	1327	End	1613
GI	none	Score	366
Exons	1327..1611, 1329..1613, 1332..1613		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60090	Strand	
Start	1930	End	2636
Name	OJ000250_30.0223.C9.o1.ts	Method	TBLASTX:Soybean
Start	1930	End	2423
GI	none	Score	645
Exons	1930..2415, 1932..2411, 1932..2423, 2015..2413		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60090	Strand	
Start	1930	End	2636
Name	OJ000250_30.0223.C9.o2.tw	Method	TBLASTX:Wheat
Start	2219	End	2636
GI	none	Score	286
Exons	2219..2452, 2220..2459, 2406..2498, 2448..2498, 2449..2499, 2458..2499, 2484..2552, 2497..2562, 2504..2524, 2510..2587, 2510..2551, 2511..2552, 2512..2589, 2514..2594, 2516..2578, 2569..2619, 2569..2613, 2582..2617, 2583..2636		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60090	Strand	
Start	1930	End	2636
Name	OJ000250_30.0223.C9.o3.tc	Method	TBLASTX:Cress
Start	2406	End	2636
GI	none	Score	54
Exons	2406..2498, 2420..2452, 2448..2498, 2449..2499, 2458..2499, 2484..2552, 2497..2562, 2504..2524, 2510..2587, 2510..2551, 2511..2552, 2512..2589, 2514..2594, 2516..2578, 2569..2619, 2569..2613, 2583..2636		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60091	Strand	
Start	2609	End	2812
Name	OJ000250_30.0223.C9.o1.tm	Method	TBLASTX:Maize
Start	2609	End	2812

GI	none	Score	219
Exons	2609..2743, 2613..2744, 2614..2745, 2615..2746, 2744..2812, 2745..2810, 2746..2811		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60092	Strand	
Start	2764	End	2995
Name	OJ000250_30.0223.C9.o1.tw	Method	TBLASTX:Wheat
Start	2764	End	2995
GI	none	Score	384
Exons	2764..2994, 2764..2994, 2765..2995		

Seq. No.	29112	Seq. ID	OJ000250_30.0223.C9
Gene No.	60092	Strand	
Start	2764	End	2995
Name	OJ000250_30.0223.C9.o2.tc	Method	TBLASTX:Cress
Start	2851	End	2995
GI	none	Score	89
Exons	2851..2904, 2852..2908, 2853..2909, 2911..2994, 2911..2994, 2912..2995		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60093	Strand	+
Start	1669	End	2110
Name	OJ000250_30.0223.C10.o1.gp	Method	AAT/GAP
Start	1669	End	2110
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	1669..2110		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o2.tc	Method	TBLASTX:Cress
Start	1	End	374
GI	none	Score	401
Exons	1..327, 2..373, 3..374, 3..374		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o2.ts	Method	TBLASTX:Soybean
Start	2	End	248
GI	none	Score	183
Exons	2..244, 2..247, 3..248, 3..248		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o1.tc	Method	TBLASTX:Cress
Start	453	End	944

GI	none	Score	681
Exons	453..944, 457..783, 527..943, 837..944		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o1.ts	Method	TBLASTX:Soybean
Start	615	End	857
GI	none	Score	358
Exons	615..857, 615..791, 617..856		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o3.ts	Method	TBLASTX:Soybean
Start	1742	End	2300
GI	none	Score	196
Exons	1742..1897, 1745..1918, 1752..1919, 1752..1925, 2057..2281, 2058..2288, 2064..2300		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o4.tm	Method	TBLASTX:Maize
Start	1877	End	2160
GI	none	Score	58
Exons	1877..1933, 1877..1918, 1878..1922, 1929..1955, 1930..1956, 1951..2016, 1959..1997, 1968..2033, 1973..2038, 2022..2159, 2030..2122, 2044..2160, 2050..2160		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o2.gp	Method	AAT/GAP
Start	2257	End	2691
GI	5886_1.R1084	Score	840
Exons	2257..2691		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60094	Strand	-
Start	2257	End	2691
Name	OJ000250_30.0223.C10.o3.tm	Method	TBLASTX:Maize
Start	2371	End	2641
GI	none	Score	107
Exons	2371..2430, 2371..2430, 2419..2640, 2420..2641, 2472..2522, 2472..2519, 2528..2641		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60095	Strand	
Start	4080	End	4403
Name	OJ000250_30.0223.C10.o4.ts	Method	TBLASTX:Soybean
Start	4080	End	4403
GI	none	Score	79
Exons	4080..4163, 4082..4162, 4166..4252, 4167..4253, 4167..4256, 4169..4258, 4351..4401, 4353..4403, 4353..4403		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60095	Strand	
Start	4080	End	4403
Name	OJ000250_30.0223.C10.o2.tm	Method	TBLASTX:Maize
Start	4094	End	4374
GI	none	Score	104
Exons	4094..4168, 4095..4166, 4095..4169, 4096..4167, 4136..4372, 4147..4374, 4148..4372, 4165..4374		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60096	Strand	
Start	4335	End	4840
Name	OJ000250_30.0223.C10.o3.tc	Method	TBLASTX:Cress
Start	4335	End	4840
GI	none	Score	76
Exons	4335..4391, 4337..4390, 4338..4412, 4400..4450, 4401..4451, 4484..4663, 4486..4662, 4487..4681, 4638..4745, 4638..4730, 4664..4741, 4793..4840, 4802..4840		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60097	Strand	
Start	4777	End	5087
Name	OJ000250_30.0223.C10.o1.tm	Method	TBLASTX:Maize
Start	4777	End	5087
GI	none	Score	338
Exons	4777..4992, 4782..4991, 4793..5074, 4981..5085, 4983..5087, 4989..5087		

Seq. No.	29113	Seq. ID	OJ000250_30.0223.C10
Gene No.	60097	Strand	
Start	4777	End	5087
Name	OJ000250_30.0223.C10.o1.tw	Method	TBLASTX:Wheat
Start	4788	End	5007
GI	none	Score	325
Exons	4788..5006, 4788..5006, 4789..5007		

Seq. No.	29114	Seq. ID	OJ000250_30.0223.C11
Gene No.	60098	Strand	
Start	165	End	418
Name	OJ000250_30.0223.C11.o1.tc	Method	TBLASTX:Cress
Start	165	End	418
GI	none	Score	264
Exons	165..395, 170..202, 178..396, 183..395, 184..396, 185..418		

Seq. No.	29114	Seq. ID	OJ000250_30.0223.C11
Gene No.	60098	Strand	
Start	165	End	418
Name	OJ000250_30.0223.C11.o1.tw	Method	TBLASTX:Wheat
Start	165	End	397
GI	none	Score	288
Exons	165..395, 170..202, 171..395, 173..397		

Seq. No.	29114	Seq. ID	OJ000250_30.0223.C11
Gene No.	60098	Strand	
Start	165	End	418
Name	OJ000250_30.0223.C11.o1.ts	Method	TBLASTX:Soybean

Start	165	End	395
GI	none	Score	271
Exons	165..395, 171..395		

Seq. No.	29115	Seq. ID	OJ000250_30.0223.C12
Gene No.	60099	Strand	+
Start	1	End	116
Name	OJ000250_30.0223.C12.o1.gp	Method	AAT/GAP
Start	1	End	116
GI	1854171	Score	206
Exons	1..116		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-162 Rice complete chloroplast genome		

Seq. No.	29115	Seq. ID	OJ000250_30.0223.C12
Gene No.	60099	Strand	+
Start	1	End	116
Name	OJ000250_30.0223.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	116
GI	none	Score	201
Exons	1..114, 2..115, 3..116, 3..116		

Seq. No.	29115	Seq. ID	OJ000250_30.0223.C12
Gene No.	60099	Strand	+
Start	1	End	116
Name	OJ000250_30.0223.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	116
GI	none	Score	191
Exons	1..114, 1..114, 2..115, 3..116, 3..116, 77..115, 78..116		

Seq. No.	29116	Seq. ID	OJ000250_30.0223.C13
Gene No.	60100	Strand	
Start	355	End	678
Name	OJ000250_30.0223.C13.o1.ts	Method	TBLASTX:Soybean
Start	355	End	678
GI	none	Score	79
Exons	355..438, 357..437, 441..527, 442..528, 442..531, 626..676, 628..678		

Seq. No.	29116	Seq. ID	OJ000250_30.0223.C13
Gene No.	60100	Strand	
Start	355	End	678
Name	OJ000250_30.0223.C13.o1.tm	Method	TBLASTX:Maize
Start	369	End	649
GI	none	Score	104
Exons	369..443, 370..441, 370..444, 371..466, 411..647, 422..649, 423..647, 440..649		

Seq. No.	29117	Seq. ID	OJ000250_30.0223.C14
Gene No.	60101	Strand	+
Start	1	End	183
Name	OJ000250_30.0223.C14.o1.gp	Method	AAT/GAP
Start	1	End	183
GI	1854171	Score	354
Exons	1..183		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-162 Rice complete chloroplast genome		

Seq. No.	29117	Seq. ID	OJ000250_30.0223.C14
Gene No.	60101	Strand	+
Start	1	End	183
Name	OJ000250_30.0223.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	183
GI	none	Score	281
Exons	1..183, 2..181, 3..182, 120..158, 121..159		

Seq. No.	29117	Seq. ID	OJ000250_30.0223.C14
Gene No.	60101	Strand	+
Start	1	End	183
Name	OJ000250_30.0223.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	181
GI	none	Score	303
Exons	2..181, 2..181, 120..164, 121..168		

Seq. No.	29118	Seq. ID	OJ000250_30.0223.C16
Gene No.	60102	Strand	-
Start	385	End	550
Name	OJ000250_30.0223.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	327
GI	none	Score	240
Exons	1..210, 1..162, 3..209, 229..327, 249..326		

Seq. No.	29118	Seq. ID	OJ000250_30.0223.C16
Gene No.	60102	Strand	-
Start	385	End	550
Name	OJ000250_30.0223.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	337
GI	none	Score	305
Exons	1..312, 1..159, 3..332, 107..337		

Seq. No.	29118	Seq. ID	OJ000250_30.0223.C16
Gene No.	60102	Strand	-
Start	385	End	550
Name	OJ000250_30.0223.C16.o1.gp	Method	AAT/GAP
Start	385	End	550
GI	688_1.R1084	Score	266
Exons	385..550		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	230
GI	none	Score	70
Exons	1..42, 1..45, 2..46, 2..55, 34..60, 35..58, 62..103, 65..124, 66..125, 67..126, 116..190, 117..215, 123..218, 136..219, 207..230		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o1.ts	Method	TBLASTX:Soybean

Start	2	End	764
GI	none	Score	54
Exons	2..40, 2..55, 35..58, 62..103, 65..124, 66..125, 123..215, 132..209, 136..216, 206..247, 496..522, 498..521, 526..750, 527..760, 612..764		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o2.tc	Method	TBLASTX:Cress
Start	4	End	216
GI	none	Score	62
Exons	4..45, 5..46, 5..55, 35..58, 62..103, 65..124, 66..125, 123..215, 132..215, 136..216		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o1.tm	Method	TBLASTX:Maize
Start	398	End	827
GI	none	Score	155
Exons	398..487, 399..500, 439..528, 443..502, 489..563, 489..557, 493..792, 494..808, 530..799, 609..827		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o1.gp	Method	AAT/GAP
Start	415	End	876
GI	3073_1.R1084	Score	819
Exons	415..876		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	29119	Seq. ID	OJ000250_30.0223.C17
Gene No.	60103	Strand	-
Start	415	End	876
Name	OJ000250_30.0223.C17.o1.tc	Method	TBLASTX:Cress
Start	545	End	792
GI	none	Score	265
Exons	545..760, 548..733, 607..741, 766..792		

Seq. No.	29120	Seq. ID	OJ000250_30.0223.C18
Gene No.	60104	Strand	
Start	44	End	218
Name	OJ000250_30.0223.C18.o2.tc	Method	TBLASTX:Cress
Start	44	End	189
GI	none	Score	128
Exons	44..184, 45..185, 46..189		

Seq. No.	29120	Seq. ID	OJ000250_30.0223.C18
Gene No.	60104	Strand	
Start	44	End	218
Name	OJ000250_30.0223.C18.o2.ts	Method	TBLASTX:Soybean

Start	44	End	218
GI	none	Score	178
Exons	44..205, 45..206, 45..218, 46..210		

Seq. No.	29120	Seq. ID	OJ000250_30.0223.C18
Gene No.	60105	Strand	
Start	191	End	620
Name	OJ000250_30.0223.C18.o1.tc	Method	TBLASTX:Cress
Start	191	End	620
GI	none	Score	362
Exons	191..562, 194..619, 210..620		

Seq. No.	29120	Seq. ID	OJ000250_30.0223.C18
Gene No.	60105	Strand	
Start	191	End	620
Name	OJ000250_30.0223.C18.o1.tw	Method	TBLASTX:Wheat
Start	200	End	347
GI	none	Score	215
Exons	200..346, 203..346, 204..347		

Seq. No.	29120	Seq. ID	OJ000250_30.0223.C18
Gene No.	60105	Strand	
Start	191	End	620
Name	OJ000250_30.0223.C18.o1.ts	Method	TBLASTX:Soybean
Start	298	End	620
GI	none	Score	337
Exons	298..519, 299..619, 300..620		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60106	Strand	+
Start	232	End	408
Name	OJ000250_30.0223.C20.o1.tc	Method	TBLASTX:Cress
Start	11	End	408
GI	none	Score	117
Exons	11..85, 13..123, 15..116, 176..400, 190..405, 211..408		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60106	Strand	+
Start	232	End	408
Name	OJ000250_30.0223.C20.o1.ts	Method	TBLASTX:Soybean
Start	11	End	408
GI	none	Score	59
Exons	11..100, 11..91, 13..114, 15..116, 136..171, 177..275, 187..405, 187..408		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60106	Strand	+
Start	232	End	408
Name	OJ000250_30.0223.C20.o2.tm	Method	TBLASTX:Maize
Start	12	End	188
GI	none	Score	174
Exons	12..116, 13..126, 121..174, 121..180, 126..188		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60106	Strand	+
Start	232	End	408
Name	OJ000250_30.0223.C20.o1.gp	Method	AAT/GAP

Start	232	End	402
GI	5005311	Score	316
Exons	232..402		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60107	Strand	
Start	426	End	716
Name	OJ000250_30.0223.C20.o1.tm	Method	TBLASTX:Maize
Start	426	End	707
GI	none	Score	110
Exons	426..494, 427..492, 428..493, 439..666, 466..537, 492..584, 494..616, 535..675, 539..694, 542..694, 663..707, 663..707		

Seq. No.	29121	Seq. ID	OJ000250_30.0223.C20
Gene No.	60107	Strand	
Start	426	End	716
Name	OJ000250_30.0223.C20.o2.tc	Method	TBLASTX:Cress
Start	426	End	716
GI	none	Score	68
Exons	426..479, 428..478, 494..676, 535..666, 542..694, 663..716		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60108	Strand	+
Start	1	End	211
Name	OJ000250_30.0223.C22.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	42732_1.R1084	Score	410
Exons	1..211		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60109	Strand	+
Start	252	End	730
Name	OJ000250_30.0223.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	285
GI	none	Score	403
Exons	1..285, 2..259, 3..284		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60109	Strand	+
Start	252	End	730
Name	OJ000250_30.0223.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	589
GI	none	Score	594
Exons	1..384, 1..387, 3..533, 9..569, 419..589		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60109	Strand	+

Start	252	End	730
Name	OJ000250_30.0223.C22.o1.tm	Method	TBLASTX:Maize
Start	180	End	442
GI	none	Score	327
Exons	180..440, 180..386, 182..442, 215..442		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60109	Strand	+
Start	252	End	730
Name	OJ000250_30.0223.C22.o2.gp	Method	AAT/GAP
Start	252	End	622
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	252..622		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	29122	Seq. ID	OJ000250_30.0223.C22
Gene No.	60109	Strand	+
Start	252	End	730
Name	OJ000250_30.0223.C22.o2.tm	Method	TBLASTX:Maize
Start	443	End	730
GI	none	Score	172
Exons	443..565, 444..560, 449..565, 552..686, 558..701, 560..730, 577..714, 695..718		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60110	Strand	-
Start	1	End	757
Name	OJ000250_30.0223.C23.o1.gp	Method	AAT/GAP
Start	1	End	757
GI	2721_1.R1084	Score	1466
Exons	1..757		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o2.tm	Method	TBLASTX:Maize
Start	1	End	238
GI	none	Score	124
Exons	1..126, 3..98, 110..154, 112..156, 140..238, 153..236, 155..238		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o1.tm	Method	TBLASTX:Maize
Start	241	End	866
GI	none	Score	200
Exons	241..405, 241..342, 333..365, 378..692, 390..692, 391..693, 398..694, 652..777, 662..775, 664..777, 780..866, 785..865		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o1.tc	Method	TBLASTX:Cress
Start	420	End	853
GI	none	Score	272
Exons	420..650, 428..652, 433..654, 447..656, 723..809, 724..807, 726..809, 730..810, 818..853		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o1.ts	Method	TBLASTX:Soybean
Start	444	End	834
GI	none	Score	253
Exons	444..623, 448..624, 448..624, 453..626, 715..774, 717..788, 720..773, 721..774, 780..833, 781..834, 784..831		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o1.tw	Method	TBLASTX:Wheat
Start	625	End	866
GI	none	Score	183
Exons	625..744, 625..744, 741..788, 741..779, 779..865, 780..866		

Seq. No.	29123	Seq. ID	OJ000250_30.0223.C23
Gene No.	60111	Strand	-
Start	795	End	888
Name	OJ000250_30.0223.C23.o2.gp	Method	AAT/GAP
Start	795	End	888
GI	2135_1.R1084	Score	133
Exons	795..888		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	29124	Seq. ID	OJ000250_30.0223.C24
Gene No.	60112	Strand	
Start	312	End	736
Name	OJ000250_30.0223.C24.o1.tc	Method	TBLASTX:Cress
Start	312	End	736
GI	none	Score	547
Exons	312..734, 313..735, 356..736		

Seq. No.	29124	Seq. ID	OJ000250_30.0223.C24
Gene No.	60112	Strand	
Start	312	End	736
Name	OJ000250_30.0223.C24.o1.tm	Method	TBLASTX:Maize
Start	504	End	651
GI	none	Score	168
Exons	504..650, 504..650, 505..651		

Seq. No.	29125	Seq. ID	OJ000250_30.0223.C25
Gene No.	60113	Strand	
Start	1	End	546
Name	OJ000250_30.0223.C25.o2.ts	Method	TBLASTX:Soybean

Start	1	End	156
GI	none	Score	184
Exons	1..123, 3..119, 120..155, 121..156		

Seq. No.	29125	Seq. ID	OJ000250_30.0223.C25
Gene No.	60113	Strand	
Start	1	End	546
Name	OJ000250_30.0223.C25.o1.tm	Method	TBLASTX:Maize
Start	22	End	537
GI	none	Score	149
Exons	22..276, 27..173, 346..537		

Seq. No.	29125	Seq. ID	OJ000250_30.0223.C25
Gene No.	60113	Strand	
Start	1	End	546
Name	OJ000250_30.0223.C25.o2.tc	Method	TBLASTX:Cress
Start	22	End	546
GI	none	Score	149
Exons	22..276, 27..173, 346..546, 438..545		

Seq. No.	29125	Seq. ID	OJ000250_30.0223.C25
Gene No.	60114	Strand	
Start	459	End	1012
Name	OJ000250_30.0223.C25.o1.ts	Method	TBLASTX:Soybean
Start	459	End	1012
GI	none	Score	214
Exons	459..650, 459..671, 460..792, 532..819, 647..820, 801..920, 820..1011, 821..1012		

Seq. No.	29125	Seq. ID	OJ000250_30.0223.C25
Gene No.	60114	Strand	
Start	459	End	1012
Name	OJ000250_30.0223.C25.o1.tc	Method	TBLASTX:Cress
Start	559	End	959
GI	none	Score	323
Exons	559..798, 565..798, 656..820, 827..958, 829..957, 831..959		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o2.tm	Method	TBLASTX:Maize
Start	61	End	528
GI	none	Score	207
Exons	61..201, 63..200, 195..248, 196..528, 198..527		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o2.ts	Method	TBLASTX:Soybean
Start	61	End	706
GI	none	Score	59
Exons	61..102, 63..119, 63..104, 175..207, 177..206, 301..336, 301..336, 338..406, 346..378, 384..497, 416..514, 424..498, 433..567, 520..549, 540..620, 548..622, 556..642, 560..634, 586..705, 601..666, 602..706, 618..704		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26

Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o2.tc	Method	TBLASTX:Cress
Start	129	End	685
GI	none	Score	44
Exons	129..167, 177..206, 213..437, 274..339, 324..431, 331..432, 414..485, 424..486, 445..483, 514..564, 545..622, 550..621, 560..622, 615..647, 616..666, 617..685, 618..683		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o1.tm	Method	TBLASTX:Maize
Start	614	End	1821
GI	none	Score	175
Exons	614..727, 615..725, 706..732, 727..789, 729..788, 730..789, 774..896, 788..889, 823..945, 864..911, 868..912, 906..950, 917..979, 917..964, 919..981, 1011..1034, 1012..1038, 1027..1083, 1031..1084, 1032..1079, 1055..1084, 1061..1105, 1114..1296, 1115..1297, 1130..1297, 1140..1298, 1141..1302, 1299..1505, 1299..1640, 1300..1635, 1516..1671, 1529..1639, 1628..1813, 1629..1817, 1629..1811, 1753..1821, 1804..1821		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o1.gp	Method	AAT/GAP
Start	849	End	1816
GI	2409_1.R1084	Score	1903
Exons	849..1816		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o1.tc	Method	TBLASTX:Cress
Start	1398	End	1796
GI	none	Score	101
Exons	1398..1640, 1400..1465, 1402..1635, 1404..1640, 1525..1671, 1628..1747, 1629..1748, 1664..1768, 1749..1766, 1763..1789, 1764..1796		

Seq. No.	29126	Seq. ID	OJ000250_30.0223.C26
Gene No.	60115	Strand	-
Start	849	End	1821
Name	OJ000250_30.0223.C26.o1.ts	Method	TBLASTX:Soybean
Start	1458	End	1790
GI	none	Score	55
Exons	1458..1499, 1458..1640, 1459..1635, 1516..1671, 1532..1639, 1618..1788, 1620..1790, 1628..1786, 1753..1788		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27

Gene No.	60116	Strand	+
Start	3545	End	3660
Name	OJ000250_30.0223.C27.o2.gp	Method	AAT/GAP
Start	3545	End	3660
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	3545..3660		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60117	Strand	-
Start	1751	End	1812
Name	OJ000250_30.0223.C27.o1.gp	Method	AAT/GAP
Start	1751	End	1812
GI	56420_1.R1084	Score	88
Exons	1751..1812		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	1207
GI	none	Score	78
Exons	1..45, 6..53, 6..44, 40..246, 45..251, 47..247, 217..408, 224..439, 234..443, 236..400, 237..407, 412..450, 430..1089, 448..1083, 1086..1154, 1115..1144, 1157..1207, 1157..1207		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o3.ts	Method	TBLASTX:Soybean
Start	1	End	368
GI	none	Score	78
Exons	1..45, 6..44, 22..366, 45..368, 47..367		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o2.tw	Method	TBLASTX:Wheat
Start	1	End	281
GI	none	Score	78
Exons	1..45, 6..53, 6..44, 37..279, 42..272, 45..281, 47..280		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o3.tc	Method	TBLASTX:Cress
Start	1	End	436
GI	none	Score	78
Exons	1..45, 6..53, 6..44, 45..149, 47..169, 47..148, 143..199, 144..410, 186..257, 247..411, 248..436		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-

Start	7338	End	7604
Name	OJ000250_30.0223.C27.o1.ts	Method	TBLASTX:Soybean
Start	498	End	948
GI	none	Score	689
Exons	498..872, 514..948, 514..948		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o2.tc	Method	TBLASTX:Cress
Start	523	End	1000
GI	none	Score	703
Exons	523..999, 525..869, 532..999, 533..1000		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o7.tc	Method	TBLASTX:Cress
Start	1797	End	1933
GI	none	Score	128
Exons	1797..1820, 1798..1923, 1799..1930, 1810..1923, 1817..1933		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o3.tm	Method	TBLASTX:Maize
Start	1822	End	2813
GI	none	Score	141
Exons	1822..1923, 1823..1936, 1826..1936, 1863..1937, 1930..1998, 1934..2011, 1935..2012, 1935..2012, 1966..2013, 2007..2105, 2008..2106, 2066..2113, 2185..2277, 2189..2287, 2193..2312, 2196..2288, 2280..2315, 2282..2311, 2311..2547, 2312..2548, 2321..2551, 2322..2552, 2532..2702, 2544..2705, 2545..2703, 2698..2781, 2700..2813		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o3.tw	Method	TBLASTX:Wheat
Start	2174	End	2436
GI	none	Score	73
Exons	2174..2248, 2174..2260, 2248..2436, 2272..2313, 2279..2332, 2312..2428, 2319..2429		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o6.ts	Method	TBLASTX:Soybean
Start	2193	End	2460
GI	none	Score	82
Exons	2193..2315, 2196..2249, 2197..2289, 2198..2314, 2271..2321, 2277..2438, 2311..2460, 2311..2421		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o1.tc	Method	TBLASTX:Cress

Start	3173	End	4170
GI	none	Score	82
Exons	3173..3268, 3182..3268, 3187..3276, 3189..3308, 3192..3269, 3451..3522, 3474..3521, 3536..3670, 3540..4169, 3540..4160, 3541..4170, 3541..4167		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o8.tm	Method	TBLASTX:Maize
Start	3407	End	3664
GI	none	Score	36
Exons	3407..3433, 3408..3431, 3409..3432, 3429..3551, 3431..3550, 3441..3554, 3442..3552, 3464..3556, 3522..3662, 3550..3663, 3551..3664, 3551..3664		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o2.ts	Method	TBLASTX:Soybean
Start	3442	End	3945
GI	none	Score	41
Exons	3442..3498, 3542..3637, 3543..3944, 3543..3944, 3544..3945, 3550..3945		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o1.tw	Method	TBLASTX:Wheat
Start	3897	End	4297
GI	none	Score	446
Exons	3897..4220, 3898..4191, 4179..4235, 4179..4241, 4180..4248, 4180..4260, 4259..4297		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o4.tm	Method	TBLASTX:Maize
Start	3925	End	4467
GI	none	Score	639
Exons	3925..3960, 3942..4382, 3952..4380, 3958..4383, 4232..4384, 4383..4439, 4384..4467, 4385..4465, 4386..4466, 4414..4467		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o7.tm	Method	TBLASTX:Maize
Start	4548	End	4934
GI	none	Score	97
Exons	4548..4643, 4557..4643, 4558..4644, 4558..4647, 4638..4733, 4643..4891, 4646..4930, 4779..4910, 4786..4911, 4914..4934		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o2.tm	Method	TBLASTX:Maize
Start	5101	End	6255

GI	none	Score	35
Exons	5101..5121, 5102..5119, 5121..5285, 5122..5286, 5122..5286, 5123..5302, 5124..5327, 5250..5906, 5281..5910, 5284..5874, 5297..5905, 5903..6055, 5904..5969, 5905..6255, 5920..6255		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o4.ts	Method	TBLASTX:Soybean
Start	5111	End	5787
GI	none	Score	225
Exons	5111..5272, 5118..5285, 5118..5285, 5119..5286, 5364..5387, 5365..5391, 5386..5457, 5399..5443, 5403..5477, 5458..5484, 5518..5553, 5520..5543, 5596..5724, 5606..5725, 5632..5754, 5726..5767, 5727..5786, 5731..5787		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o5.tc	Method	TBLASTX:Cress
Start	5112	End	5850
GI	none	Score	201
Exons	5112..5297, 5116..5298, 5116..5298, 5126..5305, 5391..5474, 5396..5488, 5396..5476, 5487..5600, 5497..5601, 5497..5613, 5601..5720, 5608..5724, 5609..5725, 5635..5766, 5730..5783, 5731..5766, 5794..5850, 5818..5838		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o4.tc	Method	TBLASTX:Cress
Start	5916	End	6266
GI	none	Score	432
Exons	5916..6263, 5929..6264, 6009..6266		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o5.ts	Method	TBLASTX:Soybean
Start	6126	End	7116
GI	none	Score	187
Exons	6126..6236, 6126..6242, 6127..6273, 6128..6244, 6950..7075, 6960..7112, 6960..7115, 6961..7116		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o6.tm	Method	TBLASTX:Maize
Start	6597	End	6940
GI	none	Score	85
Exons	6597..6647, 6599..6676, 6600..6683, 6618..6680, 6637..6687, 6660..6785, 6673..6789, 6676..6783, 6713..6835, 6785..6940, 6785..6937		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604

Name	OJ000250_30.0223.C27.o6.tc	Method	TBLASTX:Cress
Start	6734	End	7065
GI	none	Score	51
Exons	6734..6772, 6739..6777, 6760..6831, 6761..6835, 6791..6835, 6884..6949, 6893..6946, 6894..6947, 6898..6948, 6921..7058, 6925..7065, 6937..7065		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o5.tm	Method	TBLASTX:Maize
Start	6995	End	7604
GI	none	Score	162
Exons	6995..7141, 7002..7142, 7006..7158, 7009..7146, 7186..7266, 7186..7266, 7188..7268, 7249..7320, 7262..7315, 7263..7319, 7304..7384, 7317..7421, 7318..7407, 7399..7449, 7399..7446, 7462..7491, 7463..7492, 7492..7602, 7493..7603, 7494..7604		

Seq. No.	29127	Seq. ID	OJ000250_30.0223.C27
Gene No.	60118	Strand	-
Start	7338	End	7604
Name	OJ000250_30.0223.C27.o3.gp	Method	AAT/GAP
Start	7338	End	7596
GI	uC-osf1M202088b07a1	Score	514
Exons	7338..7596		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60119	Strand	
Start	1	End	140
Name	OJ000250_30.0223.C28.o3.tc	Method	TBLASTX:Cress
Start	1	End	140
GI	none	Score	102
Exons	1..93, 2..136, 3..140		

Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60119	Strand	
Start	1	End	140
Name	OJ000250_30.0223.C28.o3.tm	Method	TBLASTX:Maize
Start	1	End	123
GI	none	Score	220
Exons	1..123, 3..122		

Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o1.tc	Method	TBLASTX:Cress
Start	142	End	1346
GI	none	Score	1896
Exons	142..981, 143..1309, 144..1346		

Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o2.ts	Method	TBLASTX:Soybean
Start	151	End	383

GI	none	Score	324
Exons	151..375, 153..383, 155..382		
Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o1.tm	Method	TBLASTX:Maize
Start	323	End	838
GI	none	Score	302
Exons	323..520, 323..835, 325..597, 354..836, 354..836, 575..838		
Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o3.ts	Method	TBLASTX:Soybean
Start	483	End	704
GI	none	Score	51
Exons	483..530, 533..703, 534..704		
Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o1.ts	Method	TBLASTX:Soybean
Start	710	End	1529
GI	none	Score	415
Exons	710..856, 711..1115, 1010..1111, 1137..1181, 1232..1528, 1236..1529		
Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o2.tm	Method	TBLASTX:Maize
Start	971	End	1426
GI	none	Score	783
Exons	971..1426, 972..1424		
Seq. No.	29128	Seq. ID	OJ000250_30.0223.C28
Gene No.	60120	Strand	
Start	142	End	1529
Name	OJ000250_30.0223.C28.o2.tc	Method	TBLASTX:Cress
Start	1346	End	1529
GI	none	Score	217
Exons	1346..1507, 1347..1529, 1365..1520		
Seq. No.	29129	Seq. ID	OJ000250_30.0223.C30
Gene No.	60121	Strand	+
Start	1	End	196
Name	OJ000250_30.0223.C30.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	306_9.R1084	Score	385
Exons	1..196		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		
Seq. No.	29129	Seq. ID	OJ000250_30.0223.C30
Gene No.	60121	Strand	+
Start	1	End	196

Name	OJ000250_30.0223.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	195
GI	none	Score	62
Exons	1..33, 2..52, 3..53, 3..53, 19..195, 27..194, 28..195, 97..141, 98..142		

Seq. No.	29129	Seq. ID	OJ000250_30.0223.C30
Gene No.	60121	Strand	+
Start	1	End	196
Name	OJ000250_30.0223.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	194
GI	none	Score	59
Exons	1..45, 2..52, 3..53, 23..193, 26..190, 27..194, 97..141, 98..142		

Seq. No.	29130	Seq. ID	OJ000250_30.0223.C31
Gene No.	60122	Strand	
Start	1	End	260
Name	OJ000250_30.0223.C31.o1.tc	Method	TBLASTX:Cress
Start	1	End	260
GI	none	Score	381
Exons	1..162, 2..259, 3..260		

Seq. No.	29130	Seq. ID	OJ000250_30.0223.C31
Gene No.	60122	Strand	
Start	1	End	260
Name	OJ000250_30.0223.C31.o1.ts	Method	TBLASTX:Soybean
Start	1	End	260
GI	none	Score	249
Exons	1..258, 1..162, 2..259, 3..260		

Seq. No.	29130	Seq. ID	OJ000250_30.0223.C31
Gene No.	60122	Strand	
Start	1	End	260
Name	OJ000250_30.0223.C31.o1.tm	Method	TBLASTX:Maize
Start	2	End	260
GI	none	Score	403
Exons	2..259, 3..260, 3..260		

Seq. No.	29131	Seq. ID	OJ000250_30.0223.C32
Gene No.	60123	Strand	
Start	320	End	624
Name	OJ000250_30.0223.C32.o1.tm	Method	TBLASTX:Maize
Start	320	End	624
GI	none	Score	220
Exons	320..478, 321..473, 467..616, 471..617, 496..624		

Seq. No.	29131	Seq. ID	OJ000250_30.0223.C32
Gene No.	60123	Strand	
Start	320	End	624
Name	OJ000250_30.0223.C32.o1.tw	Method	TBLASTX:Wheat
Start	320	End	588
GI	none	Score	349
Exons	320..586, 321..587, 321..587, 322..588, 496..588		

Seq. No.	29132	Seq. ID	OJ000250_30.0223.C33
Gene No.	60124	Strand	
Start	58	End	661

Name	OJ000250_30.0223.C33.o1.ts	Method	TBLASTX:Soybean
Start	58	End	380
GI	none	Score	469
Exons	58..357, 58..372, 60..380		

Seq. No.	29132	Seq. ID	OJ000250_30.0223.C33
Gene No.	60124	Strand	
Start	58	End	661
Name	OJ000250_30.0223.C33.o1.tw	Method	TBLASTX:Wheat
Start	176	End	661
GI	none	Score	336
Exons	176..409, 177..416, 363..455, 405..455, 406..456, 415..456, 441..509, 454..519, 461..481, 467..544, 467..508, 468..509, 469..546, 471..551, 473..535, 482..661, 526..582, 583..648		

Seq. No.	29133	Seq. ID	OJ000250_30.0223.C34
Gene No.	60126	Strand	+
Start	202	End	1455
Name	OJ000250_30.0223.C34.o1.tc	Method	TBLASTX:Cress
Start	1023	End	1455
GI	none	Score	259
Exons	1023..1196, 1023..1196, 1024..1197, 1025..1204, 1192..1446, 1193..1453, 1193..1453, 1195..1455		

Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60127	Strand	+
Start	3844	End	4038
Name	OJ000250_30.0223.C35.o3.gp	Method	AAT/GAP
Start	3844	End	4038
GI	uC-osf1cyp086a01a1	Score	366
Exons	3844..4038		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60128	Strand	-
Start	84	End	537
Name	OJ000250_30.0223.C35.o1.gp	Method	AAT/GAP
Start	84	End	537
GI	24570_1.R1084	Score	908
Exons	84..537		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o1.tc	Method	TBLASTX:Cress
Start	45	End	517
GI	none	Score	61

Exons	45..77, 48..83, 60..485, 79..504, 482..517		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o1.tm	Method	TBLASTX:Maize
Start	45	End	541
GI	none	Score	799
Exons	45..536, 46..534, 47..541, 362..538		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o1.ts	Method	TBLASTX:Soybean
Start	226	End	541
GI	none	Score	429
Exons	226..531, 226..522, 228..530, 362..541		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o2.ts	Method	TBLASTX:Soybean
Start	1010	End	1373
GI	none	Score	158
Exons	1010..1261, 1014..1259, 1248..1373, 1253..1369		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o2.tw	Method	TBLASTX:Wheat
Start	1071	End	1467
GI	none	Score	545
Exons	1071..1445, 1073..1444, 1440..1466, 1441..1467		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o2.tm	Method	TBLASTX:Maize
Start	1299	End	1565
GI	none	Score	358
Exons	1299..1565, 1300..1395, 1301..1564		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o4.ts	Method	TBLASTX:Soybean
Start	1518	End	1965
GI	none	Score	57
Exons	1518..1607, 1519..1767, 1519..1728, 1520..1729, 1659..1778, 1772..1918, 1782..1925, 1789..1926, 1816..1959, 1909..1965		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o2.tc	Method	TBLASTX:Cress
Start	1694	End	2175
GI	none	Score	78

Exons	1694..1849, 1695..1856, 1844..1912, 1846..1911, 1847..1912, 1854..1913, 1928..2161, 1931..2170, 1983..2174, 1996..2175, 2104..2175		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o1.tw	Method	TBLASTX:Wheat
Start	1733	End	2113
GI	none	Score	387
Exons	1733..2113, 1734..2012, 1736..2113		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o3.ts	Method	TBLASTX:Soybean
Start	1988	End	2534
GI	none	Score	97
Exons	1988..2185, 1997..2164, 2002..2178, 2192..2266, 2199..2252, 2255..2386, 2257..2388, 2281..2391, 2403..2534		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o5.tc	Method	TBLASTX:Cress
Start	2181	End	2534
GI	none	Score	49
Exons	2181..2246, 2192..2260, 2234..2386, 2262..2384, 2281..2391, 2282..2389, 2419..2532, 2420..2533, 2421..2534		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o5.tm	Method	TBLASTX:Maize
Start	2593	End	2826
GI	none	Score	50
Exons	2593..2625, 2593..2625, 2594..2626, 2594..2626, 2638..2727, 2645..2734, 2646..2738, 2650..2745, 2721..2747, 2721..2765, 2743..2826, 2745..2819		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o3.tc	Method	TBLASTX:Cress
Start	2722	End	3269
GI	none	Score	49
Exons	2722..2772, 2727..2774, 2734..2775, 2776..2817, 2776..2814, 2777..2821, 2787..2822, 2860..2997, 2906..2998, 2915..2998, 2916..3002, 2922..3014, 2926..3039, 3021..3065, 3090..3131, 3091..3129, 3118..3261, 3120..3269, 3120..3260		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o3.tm	Method	TBLASTX:Maize
Start	2974	End	3234
GI	none	Score	122

Exons	2974..2997, 2976..3002, 2986..3063, 2990..3064, 2994..3089, 3034..3234, 3054..3233		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60129	Strand	-
Start	2982	End	3269
Name	OJ000250_30.0223.C35.o2.gp	Method	AAT/GAP
Start	2982	End	3250
GI	40596_1.R1084	Score	450
Exons	2982..3250		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60130	Strand	
Start	3235	End	3609
Name	OJ000250_30.0223.C35.o4.tm	Method	TBLASTX:Maize
Start	3235	End	3609
GI	none	Score	68
Exons	3235..3276, 3236..3277, 3236..3277, 3237..3278, 3274..3315, 3275..3340, 3329..3367, 3332..3370, 3343..3381, 3354..3431, 3355..3435, 3371..3430, 3429..3473, 3453..3551, 3463..3558, 3464..3559, 3500..3559, 3556..3609		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60131	Strand	
Start	3838	End	4146
Name	OJ000250_30.0223.C35.o5.ts	Method	TBLASTX:Soybean
Start	3838	End	4146
GI	none	Score	251
Exons	3838..4077, 3839..4066, 3862..4068, 4039..4110, 4044..4136, 4048..4146		
Seq. No.	29134	Seq. ID	OJ000250_30.0223.C35
Gene No.	60131	Strand	
Start	3838	End	4146
Name	OJ000250_30.0223.C35.o4.tc	Method	TBLASTX:Cress
Start	3912	End	4100
GI	none	Score	44
Exons	3912..3965, 3913..4092, 3914..4099, 4005..4100		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60132	Strand	+
Start	5585	End	6041
Name	OJ000250_30.0223.C36.o3.gp	Method	AAT/GAP
Start	5585	End	6041
GI	2231_2.R1084	Score	819
Exons	5585..6041		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60133	Strand	+
Start	6137	End	7025
Name	OJ000250_30.0223.C36.o4.gp	Method	AAT/GAP
Start	6137	End	7025
GI	7587_1.R1084	Score	1667

Exons	6137..7025		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60134	Strand	-
Start	74	End	1307
Name	OJ000250_30.0223.C36.o1.gp	Method	AAT/GAP
Start	74	End	1307
GI	uC-osflcyp086a01a1	Score	806
Exons	74..251, 1062..1307		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60135	Strand	-
Start	1388	End	1838
Name	OJ000250_30.0223.C36.o3.ts	Method	TBLASTX:Soybean
Start	74	End	1178
GI	none	Score	237
Exons	74..181, 76..294, 80..283, 256..327, 261..353, 265..363, 523..570, 568..618, 576..617, 621..653, 771..878, 792..893, 896..934, 898..936, 947..1009, 956..1009, 984..1043, 998..1048, 1040..1114, 1040..1129, 1154..1174, 1155..1178		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60135	Strand	-
Start	1388	End	1838
Name	OJ000250_30.0223.C36.o4.tc	Method	TBLASTX:Cress
Start	129	End	317
GI	none	Score	44
Exons	129..182, 130..309, 131..316, 222..317		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60135	Strand	-
Start	1388	End	1838
Name	OJ000250_30.0223.C36.o5.tm	Method	TBLASTX:Maize
Start	658	End	1287
GI	none	Score	113
Exons	658..753, 659..742, 745..888, 762..794, 765..932, 798..935, 812..946, 908..1186, 920..1180, 934..1188, 1199..1240, 1209..1241, 1210..1242, 1237..1284, 1243..1287		
Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60135	Strand	-
Start	1388	End	1838
Name	OJ000250_30.0223.C36.o2.gp	Method	AAT/GAP
Start	1388	End	1838
GI	uC-osflcyp086a01b1	Score	902
Exons	1388..1838		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60136	Strand	
Start	2073	End	2448
Name	OJ000250_30.0223.C36.o7.tw	Method	TBLASTX:Wheat
Start	2073	End	2448
GI	none	Score	154
Exons	2073..2261, 2162..2260, 2164..2265, 2164..2262, 2343..2441, 2370..2444, 2374..2448, 2374..2445		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o7.tm	Method	TBLASTX:Maize
Start	2358	End	2922
GI	none	Score	208
Exons	2358..2492, 2365..2493, 2366..2494, 2668..2817, 2668..2817, 2670..2822, 2821..2886, 2822..2884, 2823..2885, 2824..2886, 2872..2922, 2872..2922		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o1.tc	Method	TBLASTX:Cress
Start	2494	End	6948
GI	none	Score	78
Exons	2494..2667, 5438..5725, 5440..5790, 5442..5792, 5780..5932, 5781..5933, 5782..6273, 5791..6375, 5792..6367, 5981..6877, 5988..6878, 6919..6948		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o1.ts	Method	TBLASTX:Soybean
Start	2494	End	6911
GI	none	Score	76
Exons	2494..2667, 5418..5723, 5418..5792, 5422..5790, 5761..6270, 5780..5932, 5791..6375, 5792..6361, 5981..6874, 5988..6911		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o1.tw	Method	TBLASTX:Wheat
Start	2494	End	6612
GI	none	Score	75
Exons	2494..2667, 5981..6367, 5981..6514, 5988..6515, 6415..6519, 6421..6534, 6434..6535, 6478..6612, 6495..6611, 6514..6612		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o1.tm	Method	TBLASTX:Maize
Start	2494	End	6451
GI	none	Score	77
Exons	2494..2667, 5965..6372, 5966..6361, 5970..6449, 5981..6451, 5988..6449		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o4.ts	Method	TBLASTX:Soybean
Start	2668	End	3405
GI	none	Score	154
Exons	2668..2787, 2670..2771, 3139..3267, 3140..3265, 3141..3269, 3310..3405		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o8.tm	Method	TBLASTX:Maize
Start	2923	End	3132
GI	none	Score	90
Exons	2923..2991, 2924..2995, 2984..3040, 2994..3059, 2995..3051, 3020..3130, 3025..3132, 3033..3131, 3034..3132		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o5.tc	Method	TBLASTX:Cress
Start	3125	End	3405
GI	none	Score	215
Exons	3125..3268, 3138..3281, 3138..3281, 3378..3404, 3379..3405, 3379..3405		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o6.tm	Method	TBLASTX:Maize
Start	3477	End	3905
GI	none	Score	84
Exons	3477..3542, 3477..3542, 3478..3543, 3479..3544, 3528..3587, 3529..3585, 3533..3607, 3534..3638, 3613..3642, 3643..3759, 3644..3781, 3661..3783, 3738..3797, 3739..3801, 3739..3801, 3808..3903, 3810..3905, 3810..3905		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o5.tw	Method	TBLASTX:Wheat
Start	3582	End	4137
GI	none	Score	57
Exons	3582..3641, 3613..3642, 3631..3723, 3636..3722, 3644..3724, 3644..3727, 3698..3769, 3716..3757, 3718..3807, 3718..3768, 3727..3801, 3743..3814, 3806..3931, 3808..3921, 3900..4094, 3918..4058, 3947..4069, 4018..4104, 4063..4137, 4064..4132		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o9.tm	Method	TBLASTX:Maize
Start	3907	End	4147
GI	none	Score	181
Exons	3907..4044, 3918..4043, 3918..4046, 4048..4092, 4051..4104, 4053..4094, 4082..4147, 4084..4137		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o6.tw	Method	TBLASTX:Wheat
Start	4138	End	4511
GI	none	Score	44
Exons	4138..4170, 4141..4188, 4146..4187, 4160..4189, 4180..4236, 4190..4237, 4194..4238, 4195..4239, 4226..4252, 4230..4253, 4231..4266, 4237..4359, 4238..4363, 4239..4364, 4362..4379, 4391..4507, 4395..4511, 4395..4511		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o2.ts	Method	TBLASTX:Soybean
Start	4389	End	5211
GI	none	Score	1363
Exons	4389..5210, 4403..5209, 4822..5211		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o2.tc	Method	TBLASTX:Cress
Start	4451	End	4823
GI	none	Score	660
Exons	4451..4822, 4452..4823		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o4.tm	Method	TBLASTX:Maize
Start	4758	End	5185
GI	none	Score	671
Exons	4758..5183, 4763..5185, 4764..5183		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o3.tc	Method	TBLASTX:Cress
Start	4907	End	5236
GI	none	Score	521
Exons	4907..5236, 4911..5234		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o2.tw	Method	TBLASTX:Wheat
Start	4977	End	5420
GI	none	Score	43
Exons	4977..5012, 4998..5420, 5004..5420		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o2.tm	Method	TBLASTX:Maize
Start	5481	End	5928

GI	none	Score	528
Exons	5481..5792, 5482..5790, 5754..5927, 5781..5927, 5782..5928, 5782..5928		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o3.tw	Method	TBLASTX:Wheat
Start	5583	End	5979
GI	none	Score	152
Exons	5583..5723, 5583..5792, 5584..5790, 5780..5932, 5781..5933, 5782..5979, 5791..5979		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o3.tm	Method	TBLASTX:Maize
Start	6452	End	6914
GI	none	Score	668
Exons	6452..6871, 6452..6886, 6453..6887, 6882..6914, 6883..6912		

Seq. No.	29135	Seq. ID	OJ000250_30.0223.C36
Gene No.	60137	Strand	
Start	2358	End	6977
Name	OJ000250_30.0223.C36.o4.tw	Method	TBLASTX:Wheat
Start	6613	End	6977
GI	none	Score	394
Exons	6613..6912, 6613..6912, 6615..6914, 6883..6966, 6905..6976, 6906..6977		

Seq. No.	29136	Seq. ID	OJ000250_30.0223.C37
Gene No.	60138	Strand	
Start	426	End	698
Name	OJ000250_30.0223.C37.o1.tm	Method	TBLASTX:Maize
Start	426	End	698
GI	none	Score	86
Exons	426..494, 427..516, 476..580, 484..621, 484..624, 486..665, 614..697, 615..698		

Seq. No.	29136	Seq. ID	OJ000250_30.0223.C37
Gene No.	60139	Strand	
Start	1633	End	1836
Name	OJ000250_30.0223.C37.o2.tm	Method	TBLASTX:Maize
Start	1633	End	1836
GI	none	Score	106
Exons	1633..1707, 1635..1706, 1693..1836, 1701..1826		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60140	Strand	+
Start	1089	End	1200
Name	OJ000250_30.0223.C38.o1.gp	Method	AAT/GAP
Start	1089	End	1200
GI	1036999	Score	198
Exons	1089..1200		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38

Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o1.tc	Method	TBLASTX:Cress
Start	266	End	403
GI	none	Score	191
Exons	266..403, 266..403		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o2.tm	Method	TBLASTX:Maize
Start	272	End	538
GI	none	Score	250
Exons	272..436, 272..454, 273..455, 295..462, 500..538		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o1.ts	Method	TBLASTX:Soybean
Start	1017	End	1331
GI	none	Score	59
Exons	1017..1097, 1034..1141, 1036..1098, 1163..1192, 1203..1331, 1209..1319		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o2.tc	Method	TBLASTX:Cress
Start	1047	End	1373
GI	none	Score	41
Exons	1047..1097, 1050..1097, 1095..1166, 1163..1210, 1200..1346, 1202..1321, 1212..1373		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o1.tm	Method	TBLASTX:Maize
Start	1124	End	1405
GI	none	Score	79
Exons	1124..1165, 1125..1166, 1125..1166, 1140..1211, 1159..1206, 1196..1372, 1200..1373, 1204..1380, 1349..1405, 1365..1403		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o1.tw	Method	TBLASTX:Wheat
Start	1163	End	1361
GI	none	Score	50
Exons	1163..1210, 1164..1211, 1200..1361, 1202..1321, 1212..1355		

Seq. No.	29137	Seq. ID	OJ000250_30.0223.C38
Gene No.	60141	Strand	+
Start	1274	End	1405
Name	OJ000250_30.0223.C38.o2.gp	Method	AAT/GAP
Start	1274	End	1405
GI	LIB3432-021-P1-K1-A3	Score	219
Exons	1274..1405		

GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60142	Strand	-
Start	1913	End	2043
Name	OJ000250_30.0223.C39.o5.ts	Method	TBLASTX:Soybean
Start	475	End	612
GI	none	Score	128
Exons	475..603, 490..612		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60142	Strand	-
Start	1913	End	2043
Name	OJ000250_30.0223.C39.o1.gp	Method	AAT/GAP
Start	1913	End	2043
GI	5607624	Score	215
Exons	1913..2043		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60143	Strand	
Start	1965	End	2620
Name	OJ000250_30.0223.C39.o2.tc	Method	TBLASTX:Cress
Start	1965	End	2533
GI	none	Score	38
Exons	1965..2000, 1970..1999, 2017..2091, 2018..2092, 2140..2412, 2148..2414, 2148..2411, 2150..2413, 2415..2531, 2416..2526, 2426..2533, 2426..2533		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60143	Strand	
Start	1965	End	2620
Name	OJ000250_30.0223.C39.o4.ts	Method	TBLASTX:Soybean
Start	2009	End	2413
GI	none	Score	51
Exons	2009..2083, 2012..2116, 2029..2103, 2142..2411, 2149..2412, 2150..2413		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60143	Strand	
Start	1965	End	2620
Name	OJ000250_30.0223.C39.o1.tm	Method	TBLASTX:Maize
Start	2031	End	2426
GI	none	Score	101
Exons	2031..2120, 2032..2118, 2133..2426, 2135..2425, 2136..2426		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60143	Strand	
Start	1965	End	2620
Name	OJ000250_30.0223.C39.o2.tm	Method	TBLASTX:Maize
Start	2427	End	2620
GI	none	Score	304
Exons	2427..2612, 2429..2617, 2429..2620		
Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39

Gene No.	60144	Strand	
Start	2613	End	3609
Name	OJ000250_30.0223.C39.o1.tc	Method	TBLASTX:Cress
Start	2613	End	2974
GI	none	Score	483
Exons	2613..2972, 2615..2974, 2615..2929, 2629..2973		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60144	Strand	
Start	2613	End	3609
Name	OJ000250_30.0223.C39.o1.ts	Method	TBLASTX:Soybean
Start	2655	End	3486
GI	none	Score	568
Exons	2655..3059, 2657..2929, 2659..3060, 2797..3060, 2919..3065, 3060..3209, 3061..3216, 3083..3226, 3230..3484, 3242..3484, 3255..3485, 3268..3486		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60144	Strand	
Start	2613	End	3609
Name	OJ000250_30.0223.C39.o3.tc	Method	TBLASTX:Cress
Start	2975	End	3341
GI	none	Score	88
Exons	2975..3055, 2975..3022, 2982..3059, 2982..3065, 2983..3099, 3039..3221, 3060..3209, 3064..3222, 3065..3226, 3083..3226, 3230..3337, 3230..3337, 3249..3338, 3255..3341, 3283..3339		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60144	Strand	
Start	2613	End	3609
Name	OJ000250_30.0223.C39.o5.tc	Method	TBLASTX:Cress
Start	3362	End	3609
GI	none	Score	49
Exons	3362..3412, 3372..3413, 3384..3419, 3414..3503, 3414..3455, 3415..3507, 3416..3493, 3504..3536, 3535..3609, 3567..3608		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60145	Strand	
Start	3583	End	4127
Name	OJ000250_30.0223.C39.o2.ts	Method	TBLASTX:Soybean
Start	3583	End	4127
GI	none	Score	227
Exons	3583..3762, 3591..3743, 3593..3763, 3593..3772, 3606..3773, 3725..3907, 3740..3907, 3744..3929, 3900..3938, 3949..4086, 3953..4105, 3953..4087, 3954..4127, 3960..4124		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60145	Strand	
Start	3583	End	4127
Name	OJ000250_30.0223.C39.o4.tc	Method	TBLASTX:Cress
Start	3674	End	3869
GI	none	Score	175
Exons	3674..3868, 3674..3868, 3675..3869, 3675..3869		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60146	Strand	
Start	4128	End	4781

Name	OJ000250_30.0223.C39.o3.tm	Method	TBLASTX:Maize
Start	4128	End	4781
GI	none	Score	63
Exons	4128..4304, 4332..4406, 4461..4781		

Seq. No.	29138	Seq. ID	OJ000250_30.0223.C39
Gene No.	60146	Strand	
Start	4128	End	4781
Name	OJ000250_30.0223.C39.o3.ts	Method	TBLASTX:Soybean
Start	4327	End	4742
GI	none	Score	105
Exons	4327..4554, 4332..4556, 4334..4552, 4571..4699, 4571..4705, 4575..4709, 4576..4719, 4706..4741, 4707..4742		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60147	Strand	+
Start	7755	End	8297
Name	OJ000250_30.0223.C40.o2.gp	Method	AAT/GAP
Start	7755	End	8297
GI	42732_1.R1084	Score	1070
Exons	7755..8297		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60148	Strand	+
Start	8338	End	8708
Name	OJ000250_30.0223.C40.o3.gp	Method	AAT/GAP
Start	8338	End	8708
GI	LIB3477-011-P1-K1-C10	Score	718
Exons	8338..8708		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60149	Strand	+
Start	11607	End	12153
Name	OJ000250_30.0223.C40.o6.gp	Method	AAT/GAP
Start	11607	End	12153
GI	5005311	Score	1047
Exons	11607..12153		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60150	Strand	-
Start	3704	End	3789
Name	OJ000250_30.0223.C40.o1.gp	Method	AAT/GAP

Start	3704	End	3789
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	3704..3789		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60151	Strand	-
Start	9373	End	10413
Name	OJ000250_30.0223.C40.o4.gp	Method	AAT/GAP
Start	9373	End	10413
GI	2721_1.R1084	Score	1986
Exons	9373..10413		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o5.ts	Method	TBLASTX:Soybean
Start	1	End	301
GI	none	Score	408
Exons	1..297, 2..301, 3..296		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o14.tm	Method	TBLASTX:Maize
Start	205	End	374
GI	none	Score	85
Exons	205..252, 207..260, 213..254, 254..322, 255..320, 329..370, 331..372, 339..374		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o13.tc	Method	TBLASTX:Cress
Start	279	End	560
GI	none	Score	270
Exons	279..560, 287..505		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o6.ts	Method	TBLASTX:Soybean
Start	386	End	839
GI	none	Score	43
Exons	386..445, 417..446, 447..572, 569..754, 582..794, 795..839,	447..521, 543..647, 560..799, 798..836	

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40

Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o8.tc	Method	TBLASTX:Cress
Start	649	End	1071
GI	none	Score	52
Exons	649..696, 650..754, 666..1070, 705..1070, 733..1071		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o3.tc	Method	TBLASTX:Cress
Start	1082	End	1826
GI	none	Score	664
Exons	1082..1522, 1083..1529, 1167..1523, 1576..1824, 1590..1826, 1592..1825		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o4.ts	Method	TBLASTX:Soybean
Start	1356	End	1798
GI	none	Score	218
Exons	1356..1523, 1372..1521, 1387..1524, 1391..1522, 1564..1794, 1574..1711, 1581..1796, 1592..1798, 1594..1797		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o9.tm	Method	TBLASTX:Maize
Start	1467	End	1800
GI	none	Score	82
Exons	1467..1523, 1468..1524, 1469..1522, 1564..1800, 1574..1711, 1581..1799, 1594..1800		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o1.ts	Method	TBLASTX:Soybean
Start	1799	End	4762
GI	none	Score	99
Exons	1799..1873, 1803..1877, 1806..1877, 2002..2049, 2006..2050, 2068..2100, 2098..2805, 2099..2458, 2100..2807, 2801..2926, 2802..2951, 2803..2931, 2938..3690, 2951..3691, 2952..3698, 3162..3692, 3695..3751, 3698..3847, 3705..3848, 3706..3909, 3817..3987, 3842..3985, 3858..3986, 4413..4697, 4414..4695, 4487..4762		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o11.tm	Method	TBLASTX:Maize
Start	1802	End	2298
GI	none	Score	140
Exons	1802..1903, 1803..1907, 1803..1904, 2002..2049, 2006..2050, 2068..2100, 2098..2298, 2100..2297		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40

Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o16.tc	Method	TBLASTX:Cress
Start	1838	End	2190
GI	none	Score	81
Exons	1838..1903, 1839..1895, 2011..2061, 2015..2062, 2101..2190, 2103..2189		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o6.tc	Method	TBLASTX:Cress
Start	2193	End	2586
GI	none	Score	595
Exons	2193..2585, 2194..2586		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o3.tw	Method	TBLASTX:Wheat
Start	2886	End	3330
GI	none	Score	634
Exons	2886..3329, 2887..3330, 2887..3330		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o7.tc	Method	TBLASTX:Cress
Start	3031	End	3447
GI	none	Score	394
Exons	3031..3441, 3032..3445, 3036..3443, 3037..3447, 3162..3446		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o10.tc	Method	TBLASTX:Cress
Start	3461	End	3977
GI	none	Score	158
Exons	3461..3670, 3462..3659, 3462..3680, 3463..3699, 3463..3684, 3721..3975, 3786..3968, 3831..3977		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o10.tm	Method	TBLASTX:Maize
Start	3957	End	4318
GI	none	Score	138
Exons	3957..4079, 3964..4104, 3966..4079, 3973..4080, 3976..4050, 3977..4024, 3978..4049, 3994..4050, 4000..4110, 4004..4102, 4008..4055, 4009..4104, 4009..4110, 4013..4114, 4039..4113, 4042..4101, 4046..4132, 4046..4153, 4067..4153, 4085..4141, 4088..4141, 4094..4192, 4094..4141, 4094..4192, 4094..4141, 4136..4300, 4136..4300, 4142..4297, 4160..4315, 4163..4297, 4171..4215, 4178..4318, 4178..4201, 4199..4231, 4205..4270, 4219..4263, 4220..4270, 4222..4299, 4223..4309, 4228..4272, 4256..4318, 4276..4314, 4279..4317		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o2.tm	Method	TBLASTX:Maize
Start	4319	End	5130
GI	none	Score	46
Exons	4319..4357, 4352..4717, 4382..4435, 4383..4718, 4384..5130, 4384..4716, 4410..5129		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o14.tc	Method	TBLASTX:Cress
Start	4361	End	4659
GI	none	Score	66
Exons	4361..4468, 4383..4658, 4384..4659, 4384..4656, 4413..4658		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o1.tw	Method	TBLASTX:Wheat
Start	4584	End	5203
GI	none	Score	42
Exons	4584..4655, 4595..4633, 4597..4656, 4621..4881, 4628..4789, 4782..5198, 4783..5202, 4784..5203		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o9.tc	Method	TBLASTX:Cress
Start	4660	End	5367
GI	none	Score	55
Exons	4660..4695, 4694..4783, 4702..4779, 4771..5037, 4797..5018, 4805..5065, 5031..5135, 5032..5367, 5032..5163, 5221..5358, 5222..5359, 5223..5366		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o1.tc	Method	TBLASTX:Cress
Start	5437	End	6571
GI	none	Score	47
Exons	5437..5493, 5445..5537, 5599..5655, 5602..5646, 5649..5714, 5650..5724, 5658..5714, 5736..6437, 5736..6461, 5737..6468, 6265..6468, 6515..6571, 6525..6569		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o3.ts	Method	TBLASTX:Soybean
Start	5572	End	6646
GI	none	Score	143
Exons	5572..5727, 5593..5727, 5736..6113, 5736..6461, 5737..6480, 6397..6480, 6398..6490, 6398..6481, 6515..6586, 6526..6582, 6539..6646		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40

Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o13.tm	Method	TBLASTX:Maize
Start	5842	End	5979
GI	none	Score	215
Exons	5842..5979, 5842..5979		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o6.tm	Method	TBLASTX:Maize
Start	6168	End	6480
GI	none	Score	67
Exons	6168..6257, 6176..6223, 6204..6476, 6204..6479, 6205..6480		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o4.tw	Method	TBLASTX:Wheat
Start	6219	End	6626
GI	none	Score	419
Exons	6219..6521, 6223..6495, 6227..6523, 6262..6552, 6483..6626, 6490..6621		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o4.tm	Method	TBLASTX:Maize
Start	6482	End	7122
GI	none	Score	235
Exons	6482..6634, 6483..6635, 6488..6673, 6630..6662, 6668..6709, 6674..6709, 6717..6782, 6717..6782, 6774..6866, 6782..6844, 6784..6867, 6906..7082, 6916..7101, 6919..7101, 7096..7122, 7096..7122		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o5.tc	Method	TBLASTX:Cress
Start	6781	End	7403
GI	none	Score	35
Exons	6781..6801, 6782..6799, 6916..7290, 6918..7292, 6919..7293, 7288..7401, 7290..7403		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o2.ts	Method	TBLASTX:Soybean
Start	6783	End	12461
GI	none	Score	530
Exons	6783..6806, 6914..7612, 6916..7605, 6918..7634, 6919..7629, 7187..7639, 7645..7686, 7870..8619, 7871..8470, 8516..8620, 9252..9314, 9339..9407, 9384..9671, 9397..9669, 9529..9675, 9696..9764, 10100..10279, 10104..10280, 10104..10280, 10109..10282, 10360..10383, 10371..10430, 10373..10444, 10376..10429, 10377..10430, 10436..10489, 10437..10490, 10440..10487, 10475..10528, 10477..10560, 10497..10568,		

10521..10565, 10568..10627, 10587..10634, 10587..10628,
10589..10636, 10656..10724, 10659..10730, 10666..10725,
10815..10832, 10914..10955, 10921..10950, 10991..11491,
10995..11489, 11511..11546, 11551..12114, 11562..12461,
11741..12394, 12225..12395, 12392..12460

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o5.tm	Method	TBLASTX:Maize
Start	7123	End	7407
GI	none	Score	475
Exons	7123..7407, 7123..7407		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o4.tc	Method	TBLASTX:Cress
Start	7859	End	8371
GI	none	Score	58
Exons	7859..7909, 7866..7907, 7897..8346, 7910..8371, 7912..8370		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o7.tm	Method	TBLASTX:Maize
Start	8266	End	8526
GI	none	Score	319
Exons	8266..8526, 8268..8519		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o8.tm	Method	TBLASTX:Maize
Start	8531	End	8872
GI	none	Score	174
Exons	8531..8626, 8533..8649, 8535..8651, 8535..8651, 8638..8772, 8644..8787, 8646..8816, 8663..8800, 8781..8804, 8803..8844, 8804..8845, 8847..8870, 8849..8872		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o3.tm	Method	TBLASTX:Maize
Start	8959	End	9894
GI	none	Score	186
Exons	8959..9126, 8974..9003, 8996..9127, 9103..9183, 9136..9234, 9175..9237, 9211..9303, 9236..9307, 9237..9308, 9239..9307, 9312..9353, 9312..9350, 9339..9395, 9340..9396, 9349..9396, 9357..9398, 9377..9463, 9388..9759, 9390..9758, 9528..9782, 9766..9810, 9768..9812, 9796..9894, 9809..9892, 9811..9894		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o11.tc	Method	TBLASTX:Cress
Start	9363	End	9669

GI	none	Score	328
Exons	9363..9659, 9364..9669, 9529..9669		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o1.tm	Method	TBLASTX:Maize
Start	9897	End	11563
GI	none	Score	200
Exons	9897..10061, 9897..9998, 9989..10021, 10034..10348, 10046..10348, 10047..10349, 10054..10350, 10308..10433, 10318..10431, 10320..10433, 10433..10525, 10434..10550, 10434..10562, 10435..10572, 10441..10572, 10512..10658, 10554..10658, 10568..10663, 10651..10728, 10652..10732, 10659..10736, 10689..10799, 10692..10805, 10720..10821, 10743..10958, 10779..10904, 10804..10950, 10907..10993, 10961..11491, 10980..11501, 11220..11501, 11496..11549, 11496..11555, 11501..11563		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o2.tc	Method	TBLASTX:Cress
Start	10163	End	12062
GI	none	Score	125
Exons	10163..10261, 10164..10259, 10172..10261, 11087..11461, 11087..11491, 11088..11498, 11551..12048, 11565..12062, 11741..12061		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o5.tw	Method	TBLASTX:Wheat
Start	10280	End	10757
GI	none	Score	183
Exons	10280..10396, 10281..10400, 10281..10400, 10397..10444, 10397..10435, 10433..10525, 10434..10556, 10435..10557, 10435..10557, 10531..10641, 10560..10643, 10560..10640, 10640..10726, 10643..10723, 10644..10730, 10653..10757, 10720..10755		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o5.gp	Method	AAT/GAP
Start	10451	End	10996
GI	2135_1.R1084	Score	1072
Exons	10451..10996		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o2.tw	Method	TBLASTX:Wheat
Start	10979	End	11424
GI	none	Score	120

Exons	10979..11065, 10980..11063, 10993..11073, 10996..11064, 10997..11065, 11069..11419, 11071..11409, 11074..11424		
Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o12.tm	Method	TBLASTX:Maize
Start	11607	End	11920
GI	none	Score	260
Exons	11607..11918, 11744..11788, 11849..11920		
Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60152	Strand	-
Start	10451	End	12461
Name	OJ000250_30.0223.C40.o15.tc	Method	TBLASTX:Cress
Start	12071	End	12337
GI	none	Score	193
Exons	12071..12337, 12072..12329		
Seq. No.	29139	Seq. ID	OJ000250_30.0223.C40
Gene No.	60153	Strand	
Start	12420	End	12589
Name	OJ000250_30.0223.C40.o12.tc	Method	TBLASTX:Cress
Start	12420	End	12589
GI	none	Score	276
Exons	12420..12587, 12421..12588, 12422..12589, 12422..12589		
Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60154	Strand	-
Start	38	End	455
Name	OJ000250_30.0223.C41.o1.gp	Method	AAT/GAP
Start	38	End	455
GI	LIB3431-040-P1-K2-C1	Score	740
Exons	38..455		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		
Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o2.ts	Method	TBLASTX:Soybean
Start	1	End	428
GI	none	Score	452
Exons	1..384, 2..421, 5..421, 183..428		
Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o4.tc	Method	TBLASTX:Cress
Start	1	End	631
GI	none	Score	282
Exons	1..426, 1..384, 2..427, 8..427, 192..428, 555..620, 559..630, 559..627, 560..631, 560..631		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o3.tc	Method	TBLASTX:Cress
Start	888	End	1570
GI	none	Score	66
Exons	888..941, 889..972, 890..970, 998..1195, 999..1193, 1000..1200, 1001..1195, 1214..1345, 1249..1317, 1295..1318, 1460..1570, 1486..1569		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o1.ts	Method	TBLASTX:Soybean
Start	1217	End	2733
GI	none	Score	117
Exons	1217..1363, 1249..1314, 1284..1325, 1436..2698, 1437..1949, 1486..2733, 1486..2733		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o1.tm	Method	TBLASTX:Maize
Start	1235	End	2967
GI	none	Score	164
Exons	1235..1333, 1249..1332, 1334..1351, 1335..1361, 1393..1440, 1394..1447, 1395..1451, 1445..2698, 1449..1949, 1474..2886, 1486..2964, 2655..2966, 2941..2967		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o1.tc	Method	TBLASTX:Cress
Start	1612	End	2161
GI	none	Score	266
Exons	1612..1779, 1613..1777, 1773..1949, 1776..2159, 1778..2158, 1780..2160, 1781..2161		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o2.tc	Method	TBLASTX:Cress
Start	2162	End	2694
GI	none	Score	723
Exons	2162..2683, 2164..2685, 2164..2694		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o2.gp	Method	AAT/GAP
Start	2692	End	2967
GI	uC-osflcyp021g10b1	Score	496
Exons	2692..2967		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa]		

>gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o5.tc	Method	TBLASTX:Cress
Start	2699	End	2964
GI	none	Score	196
Exons	2699..2962, 2701..2886, 2701..2964, 2735..2887, 2931..2963		

Seq. No.	29140	Seq. ID	OJ000250_30.0223.C41
Gene No.	60155	Strand	-
Start	2692	End	2967
Name	OJ000250_30.0223.C41.o3.ts	Method	TBLASTX:Soybean
Start	2734	End	2964
GI	none	Score	163
Exons	2734..2886, 2734..2964, 2735..2887, 2931..2963		

Seq. No.	29141	Seq. ID	OJ000250_30.0223.C42
Gene No.	60156	Strand	
Start	70	End	637
Name	OJ000250_30.0223.C42.o1.tm	Method	TBLASTX:Maize
Start	70	End	319
GI	none	Score	397
Exons	70..147, 71..319, 71..301, 75..317		

Seq. No.	29141	Seq. ID	OJ000250_30.0223.C42
Gene No.	60156	Strand	
Start	70	End	637
Name	OJ000250_30.0223.C42.o1.tc	Method	TBLASTX:Cress
Start	71	End	395
GI	none	Score	313
Exons	71..274, 72..281, 78..281, 83..364, 202..300, 339..395, 341..394		

Seq. No.	29141	Seq. ID	OJ000250_30.0223.C42
Gene No.	60156	Strand	
Start	70	End	637
Name	OJ000250_30.0223.C42.o1.tw	Method	TBLASTX:Wheat
Start	71	End	440
GI	none	Score	576
Exons	71..439, 72..440, 72..440		

Seq. No.	29141	Seq. ID	OJ000250_30.0223.C42
Gene No.	60156	Strand	
Start	70	End	637
Name	OJ000250_30.0223.C42.o1.ts	Method	TBLASTX:Soybean
Start	71	End	460
GI	none	Score	315
Exons	71..274, 72..341, 210..338, 211..342, 321..383, 327..383, 328..396, 328..396, 341..400, 353..460		

Seq. No.	29141	Seq. ID	OJ000250_30.0223.C42
Gene No.	60156	Strand	
Start	70	End	637
Name	OJ000250_30.0223.C42.o2.tm	Method	TBLASTX:Maize
Start	320	End	637

GI	none	Score	210
Exons	320..448, 321..449, 444..476, 445..477, 482..523, 488..523, 531..596, 582..635, 596..637, 596..637		

Seq. No.	29142	Seq. ID	OJ000250_30.0223.C43
Gene No.	60157	Strand	+
Start	62	End	292
Name	OJ000250_30.0223.C43.o1.gp	Method	AAT/GAP
Start	62	End	292
GI	688_1.R1084	Score	369
Exons	62..292		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	29142	Seq. ID	OJ000250_30.0223.C43
Gene No.	60157	Strand	+
Start	62	End	292
Name	OJ000250_30.0223.C43.o1.ts	Method	TBLASTX:Soybean
Start	62	End	272
GI	none	Score	164
Exons	62..166, 63..164, 64..171, 67..174, 150..266, 163..267, 164..265, 165..272		

Seq. No.	29142	Seq. ID	OJ000250_30.0223.C43
Gene No.	60158	Strand	
Start	259	End	626
Name	OJ000250_30.0223.C43.o1.tm	Method	TBLASTX:Maize
Start	259	End	626
GI	none	Score	133
Exons	259..339, 265..339, 340..393, 342..392, 386..460, 389..448, 393..467, 435..500, 449..622, 450..500, 465..548, 531..626, 570..626		

Seq. No.	29143	Seq. ID	OJ000250_30.0223.C44
Gene No.	60159	Strand	+
Start	104	End	548
Name	OJ000250_30.0223.C44.o1.tw	Method	TBLASTX:Wheat
Start	42	End	516
GI	none	Score	495
Exons	42..470, 62..514, 62..514, 91..516		

Seq. No.	29143	Seq. ID	OJ000250_30.0223.C44
Gene No.	60159	Strand	+
Start	104	End	548
Name	OJ000250_30.0223.C44.o1.ts	Method	TBLASTX:Soybean
Start	71	End	547
GI	none	Score	660
Exons	71..547, 71..541, 259..546		

Seq. No.	29143	Seq. ID	OJ000250_30.0223.C44
Gene No.	60159	Strand	+
Start	104	End	548
Name	OJ000250_30.0223.C44.o1.tm	Method	TBLASTX:Maize
Start	98	End	547
GI	none	Score	436
Exons	98..547, 108..470, 110..547		

Seq. No.	29143	Seq. ID	OJ000250_30.0223.C44
Gene No.	60159	Strand	+
Start	104	End	548
Name	OJ000250_30.0223.C44.o1.gp	Method	AAT/GAP
Start	104	End	548
GI	24824_1.R1084	Score	837
Exons	104..548		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	29143	Seq. ID	OJ000250_30.0223.C44
Gene No.	60159	Strand	+
Start	104	End	548
Name	OJ000250_30.0223.C44.o1.tc	Method	TBLASTX:Cress
Start	114	End	544
GI	none	Score	299
Exons	114..464, 116..544, 119..541		

Seq. No.	29144	Seq. ID	OJ000250_30.0223.C45
Gene No.	60160	Strand	
Start	59	End	345
Name	OJ000250_30.0223.C45.o2.ts	Method	TBLASTX:Soybean
Start	59	End	345
GI	none	Score	115
Exons	59..253, 62..256, 63..263, 261..344, 313..345		

Seq. No.	29144	Seq. ID	OJ000250_30.0223.C45
Gene No.	60161	Strand	
Start	328	End	635
Name	OJ000250_30.0223.C45.o1.tc	Method	TBLASTX:Cress
Start	328	End	615
GI	none	Score	236
Exons	328..549, 333..476, 334..507, 341..613, 348..614, 556..615		

Seq. No.	29144	Seq. ID	OJ000250_30.0223.C45
Gene No.	60161	Strand	
Start	328	End	635
Name	OJ000250_30.0223.C45.o1.tm	Method	TBLASTX:Maize
Start	344	End	635
GI	none	Score	303
Exons	344..613, 348..635		

Seq. No.	29144	Seq. ID	OJ000250_30.0223.C45
Gene No.	60161	Strand	
Start	328	End	635
Name	OJ000250_30.0223.C45.o1.ts	Method	TBLASTX:Soybean
Start	348	End	635
GI	none	Score	303
Exons	348..635, 536..595		

Seq. No.	29145	Seq. ID	OJ000250_30.0223.C46
Gene No.	60162	Strand	
Start	97	End	500
Name	OJ000250_30.0223.C46.o1.tc	Method	TBLASTX:Cress
Start	97	End	500
GI	none	Score	369